Farm economy in 2001...Ag policy in Japan...Marketing lettuce... 21st Century Commission...Smart growth & agriculture

U.S. Farm Economy in 2001

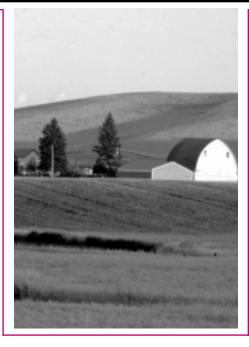
While the general weakness in agricultural markets of the past couple of years continues, early signs of recovery are evident. Many farm sector indicators remain favorable, including asset values and debt levels, due in large part to record government payments. Global stocks of major crops are not excessive compared with use, farm prices are generally up, and reduced plantings in 2001 could lead to a further drawdown of stocks. However, the next couple of years are unlikely to see a strong rebound in farm prices and market income for major crops, unless global crop output drops significantly. In the longer term, continuing improvement in global economic growth will lead to stronger U.S. exports, further gains in agricultural commodity prices, and rising farm income.

Modest Rise in Food Prices This Year

Consumers can expect modest increases in food prices for the fourth year in a row, with the Consumer Price Index (CPI) for all food projected up 2 to 2.5 percent in 2001. For food prepared at home, the CPI in 2001 is projected to rise 2 to 2.5 percent while food away from home is expected up 2.5 to 3 percent. The downward trend in share of household disposable personal income spent on food should continue. Continuing large meat production, lackluster growth in exports, and a slowing domestic economy may pressure meat prices downward. A combination of reduced winter acreage in firstquarter 2001 and several bouts of subfreezing weather in Florida have reduced supplies of fresh-market vegetables and raised produce prices.

Recommendations: Commission on 21st Century Production Agriculture

The Commission on 21st Century Production Agriculture, established under the 1996 Farm Act, released its report on January 31, 2001, concluding that the Federal government should develop policies and programs promoting global competitiveness of U.S. farm products. The Commission recommended specific legislative approaches to assure an income



safety net for producers, enhance risk management options, support conservation and environmentally beneficial practices, improve agricultural trade opportunities, revise individual commodity policies, and assist small and limited-resource farms.

Japan's Changing Agricultural Policies

Japan's government is revising its agricultural policies and programs to stem the decline in self-sufficiency in food production, and to ensure that its farm program expenditures will be exempt from reductions required under World Trade Organization rules. In July 1999, Japan adopted the Basic Law on Food, Agriculture, and Rural Policy, to review postwar agricultural policies and set up a policymaking scheme based on four principles: securing a stable food supply, fulfilling the multiple functions of agriculture (e.g., use of rice paddies to control flooding), sustainable development of agriculture, and promotion of rural areas. Major initiatives are underway to change the structure of farming and to make it more efficient. Japan's new policy stance explicitly recognizes that food security depends on continued imports and available stocks, as well as on maintaining domestic production capability.

Lettuce: In & Out of the Bag

Lettuce has never been more popular in the U.S. The average American consumed 33 pounds of lettuce in 2000—an all-time high. In response to growing consumer demand for variety, freshness, and convenience, and as a result of technological innovations in packaging materials, lettuce shippers now offer their customers everything from heads of iceberg to ready-to-eat salads. They have also adopted various business strategies to manage buyer demand for greater volume, broader product lines, and year-round availability.

Smart Growth: Implications for Agriculture in Urban Fringe Areas

"Smart growth" is a catch-all phrase to describe a number of land use policies to influence the pattern and density of new development. Smart growth directs development to designated areas (cities and older suburbs) through incentives and disincentives, without actually prohibiting development outside them or threatening individual property rights. While smart growth policies have implications for farmland outside as well as inside designated growth areas, landowners most likely to experience the effects are those in close proximity to existing population centers or planned growth areas. One of the greatest impacts of smart growth policies on local agriculture will be changes in farmland values because farm real estate dominates total farm assets.

Sheep & Lamb Inventory Continues To Decline

The U.S. sheep industry continues a long-term trend of negative growth that has seen the inventory shrink from a 1942 peak of 56 million head to 6.92 million head on January 1, 2001. This year's inventory is 2 percent below the level on January 1, 2000, and 50 percent below 1975, reflecting decreasing U.S. demand for wool and for lamb and mutton, and rising competition from Australia and New Zealand.



U.S. Farm Economy in 2001

hile the general weakness in agricultural markets of the past couple of years continues, early signs of recovery are evident. Many indicators continue to remain favorable, including farm asset values and debt levels, due in large part to record government payments. Global stocks of major crops are not excessive compared with use, farm prices are generally up from a year ago, and reduced plantings in 2001 could lead to a further drawdown of stocks.

However, the next couple of years are unlikely to see a strong rebound in farm prices and market income for major crops, unless global crop production drops significantly. Under current farm legislation and programs, assuming no supplemental payments, net cash income in 2001 is projected to be the lowest since 1994 and about \$4 billion below the average of the 1990s.

Commodity Markets Edge Up...

The U.S. economy continues to enjoy its longest expansion in history (although slowing considerably in recent months), characterized by strong income growth, low unemployment, surging productivity, and low inflation and interest rates. Production agriculture, while bolstered by the expansion, has been particularly vulnerable to foreign competition, a strong

dollar, economic recession in foreign countries, and increases in energy costs.

Prices of many agricultural commodities are beginning to pick up. In February, the index of prices received for all crops was up 5 percent from a year earlier and the index of prices for livestock was up 9 percent. Nevertheless, the commodity price recovery is generally from relatively low levels. For the 1999/2000 marketing year, the average price of soybeans was the lowest since 1972/73, the prices of corn and wheat the lowest since 1986/87, the price of rice the lowest since 1992/93, and the price of cotton the lowest since 1974/75. Cattle and hog prices were also relatively weak in 1999 but recovered more sharply than major crop prices in 2000. Milk prices were relatively strong in 1999 but fell to a 9-year low in 2000.

In addition to facing low agricultural commodity prices, many producers in the last several years have been confronted with weather-related problems and, more recently, with increases in prices for energy-related inputs. Sierra snowpack levels, which California's reservoirs depend on for electricity generation and farmland irrigation, continue below normal although improving.

In the past 3 years, Congress responded to potential sharp declines in farm income

and adverse weather by providing nearly \$25 billion in supplemental assistance to farmers and ranchers, greatly limiting the farm financial stress they would have otherwise faced. These payments, plus payments authorized under the 1996 Farm Act, pushed government payments to a record-high \$22 billion in calendar 2000 and Commodity Credit Corporation (CCC) outlays to a record \$32 billion in fiscal 2000.

In fiscal 2001, lower government payments are projected to reduce CCC outlays to slightly over \$20 billion. Had Congress not provided nearly \$9 billion in supplemental assistance in 2000, net cash income would likely have fallen to \$47.5 billion in calendar 2000, the lowest since the farm financial crisis of the mid-1980s. Instead, net cash income reached \$56.4 billion in 2000, nearly \$2 billion above the average of the 1990s.

... As Do U.S. Ag Exports

During the mid-1990s, a confluence of factors boosted agricultural exports: world gross domestic product (GDP) grew at an annual rate of 3 percent compared with less than 2 percent during the early 1990s, and global grain and oilseed production fell about 4 percent. In the mid-1990s, the value of U.S. agricultural exports rose sharply, as record-high grain prices pushed the value to a record \$60 billion in fiscal 1996, up by more than one-third from just 2 years earlier.

The surge in exports led many to conclude that U.S. agriculture was entering a period of long-term prosperity—continued and steady increases in world economic activity would be enough to keep farm prices strong even with normal weather. However, benign weather and strong prices led to an abrupt turnaround in world crop production, which increased sharply in 1996/97. In 1998, world economic growth, excluding the U.S., fell to a paltry 1.3 percent. The growth slow-down combined with continued strong crop production caused crop prices to decline sharply.

For bulk products such as feed grains, wheat, soybeans, cotton, and rice, export value declined one-third from 1996 to 2000. Accounting for nearly all of the

drop in export value of bulk commodities were lower export prices, with export volume falling only slightly. In contrast, the export value of high-value agricultural products (total ag exports minus bulk commodities) remained nearly steady at about \$32 billion during 1996-2000.

In 2001, the value of bulk exports is forecast to increase \$0.5 billion to \$18.3 billion, remaining well below 1996's \$28 billion, while volume is expected to be just under 1996's 119.4 million tons. The export value of high-value agricultural products is forecast to increase to \$34.7 billion in 2001, bringing total export value to \$53 billion this year. This is up from the recent low of \$49 billion 2 years ago, but still well below the 1996 record.

The turnaround in several key macroeconomic indicators makes the outlook for higher exports more positive than it has been in some time. World GDP excluding the U.S. grew nearly 4 percent in 2000, the largest growth rate in more than a decade. In 2001, with the economic slowdown in Japan, world GDP excluding the U.S. is expected to slow from last year's high rate. However, many countries that were in recession in 1998 and 1999 are now registering strong growth rates. Following the 1997/98 Asian financial crisis, South Korea's economy grew nearly 11 percent in 1999 and over 9 percent in 2000, and economic growth in Southeast Asian countries rose to 3.6 percent in 1999 and to almost 6 percent last year. In addition, several Latin American countries registered positive growth in 2000 after being in recession in 1999.

Another key factor for U.S. exports is the U.S. exchange rate. The value of the dollar has increased sharply in the last several years, raising the cost of U.S. farm products to foreign buyers and the cost of U.S. agricultural products relative to those of competitors. Between April 1995 and September 2000, the U.S. dollar appreciated by 25 percent against currencies of countries purchasing U.S. agricultural products, reversing about a decade in which the value of the dollar declined relative to other currencies. Over the same period, the U.S. dollar appreciated 42 percent relative to currencies of U.S. agricultural competitors. Declining interest rates and a slowing economy should weaken

| U.S. Farm Economy a | t a Glance | | | | | |
|----------------------|------------|---------|---------|-----------|---------|---------|
| | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
| | | | \$ | billion | | |
| Cash receipts | 199.1 | 207.6 | 196.6 | 188.6 | 196.0 | 200.0 |
| Government payments | 7.3 | 7.5 | 12.2 | 20.6 | 22.1 | 14.1 |
| Cash expenses | 159.8 | 168.6 | 167.2 | 170.4 | 178.0 | 179.5 |
| Net cash income | 57.6 | 58.5 | 55.4 | 54.6 | 56.4 | 50.7 |
| Farm debt | 156.1 | 165.4 | 172.9 | 176.4 | 180.6 | 182.8 |
| Farm assets | 1,004.8 | 1,053.1 | 1,085.5 | 1,116.6 | 1,121.0 | 1,132.1 |
| | | | Pe | ercent | | |
| Debt-to-asset ratio | 15.5 | 15.7 | 15.9 | 15.8 | 16.1 | 16.1 |
| | | | \$ 1 | billion | | |
| Agricultural exports | 59.9 | 57.4 | 53.7 | 49.2 | 50.9 | 53.0 |
| Agricultural imports | 32.5 | 35.7 | 36.8 | 37.3 | 38.9 | 40.0 |
| | | | 199 | 5 = 100 | | |
| Value of dollar* | 105.1 | 110.1 | 119.2 | 117.5 | 120.2 | 113.8 |
| | | | Percei | nt change | | |
| | | | | | | |

2.6

3.3

2.2

2000 estimate. 2001 forecast.

Consumer price index

for food

Economic Research Service, USDA

the dollar in 2001, making U.S. agricultural products moderately more attractive to foreign buyers.

Farm Income to Drop

Farm cash receipts are forecast to reach \$200 billion in 2001, up \$4 billion from last year. This would be the second-highest level of farm cash receipts, surpassed only by the 1997 record (nearly \$208 billion). Crop receipts in 2001 are projected to be down \$11 billion from 1997, while livestock receipts are forecast to be up about \$3 billion. Compared with last year, crop receipts are forecast to increase by \$3.6 billion to slightly over \$100 billion, while livestock receipts are projected to be about unchanged at slightly under \$100 billion.

These aggregate figures mask steep declines in cash receipts and income for major crops. Cash receipts for grains, soybeans, and cotton, projected to increase slightly to \$45 billion in 2001, will be down from a record \$57 billion in 1997. Dairy receipts are forecast to be up from last year.

Assuming no supplemental assistance for 2001 crops, net cash income is projected to decline from \$56.4 billion last year to under \$51 billion in 2001, as production

expenses continue to rise and government payments decline. Increases in petroleum prices and interest rates along with higher prices for other production inputs, including hired labor, increased farmers' production expenses by 4 percent or \$7.6 billion in 2000, with higher fuel and oil prices accounting for over one-third of the increase. In contrast, farm production expenses rose only 1 percent from 1997 to 1999.

2.1

2.3

2-2.5

In 2001, farmers' total cash production expenses are forecast to increase \$1.5 billion to a record \$179.5 billion. Even though total planted acreage is expected to fall in 2001, higher natural gas prices will raise expenses for nitrogen fertilizer. Expenses for hired labor, repairs, and marketing could also continue to trend up in 2001. Fuel expenses are expected to be about unchanged from last year, as petroleum prices moderate later this year. Despite recent interest rate reductions by the Federal Reserve, farm business interest expenses are projected to remain about steady in 2001. About two-thirds of bank nonreal estate loans made in 2000 are variable-rate loans, but these loans adjust at regularly scheduled intervals and lag the Federal Reserve rate.

Government payments have offset much of the decline in cash receipts for major

^{*}Agricultural trade-weighted, inflation-adjusted.

crops in the past few years, helping to maintain producers' cash flow. Direct government payments to farmers rose from under \$8 billion in 1997 to a record \$22 billion last year. In 1997, farmers received \$6 billion in production flexibility contract (PFC) payments and about \$2 billion in conservation program payments. In 2000, direct government payments included nearly \$9 billion in supplemental assistance, nearly \$5 billion in PFC payments, \$6.4 billion in loan deficiency payments, and \$2 billion in conservation program payments. Loan deficiency payments are available to producers whenever the prevailing market price (world price for cotton and rice) for a particular commodity falls below the price support loan rate. Producers received no loan deficiency payments in 1997 because prevailing prices exceeded the announced loan rates for program crops (feed grains, wheat, upland cotton, and rice) and oilseeds.

Because government payments are tied to both historical and current production of major crops, the largest farming operations receive most of the payments. (PFC payments are based on historical production, while loan deficiency payments and gains on marketing assistance loans are based on current production). In 1999, the 16 percent of farming operations with annual sales above \$100,000 received nearly three-fourths of farm program payments.

In calendar 2001, government payments are projected to decline about \$8 billion to slightly over \$14 billion. This forecast includes no supplemental aid for 2001 crops, since legislation authorizing supplemental assistance for 2001 crops has not been enacted by Congress. Scheduled annual reductions in PFC payments under the 1996 Farm Act, as well as lower loan deficiency payments reflecting improving prices for major crops, are forecast to reduce government payments by \$2.5-\$3 billion in 2001. In addition, with no supplemental aid legislation in place for the 2001 crops, emergency assistance to farmers and ranchers is projected to fall from nearly \$9 billion last year to about \$3.5 billion in 2001. The \$3.5 billion in emergency assistance was authorized by Congress last year to offset crop and market losses in 2000 and will be dispersed in 2001. The farm income situation in 2001 is not unlike that in recent years; this year

some of the drop in government payments is expected to occur through lower loan deficiency payments that will be made up in greater returns from the market.

Should there be an income safety net for farmers? The Commission on 21st Century Production Agriculture addresses this and other issues. See page 20.

Absent new legislation, the regions and crops that have been most dependent on government payments are likely to see the greatest decline in farm income in 2001. The major field crops have had particular market difficulty in the past few years. Net cash income (excluding government payments) on a crop-year basis for the major field crops—wheat, rice, corn, sorghum, oats, barley, cotton, and soybeans—was low for the 1999-2000 crops and projected to remain low for the 2001 crops. Direct government payments accounted for three-fourths of net cash income for major field crops in 1999 and more than two-thirds in 2000.

For 2001, net cash income for major field crops is projected to fall by over \$5 billion, declining from over \$25 billion for the 2000 crop to less than \$20 billion. The decline is slightly less than the amount of market loss assistance Congress authorized last year for major field crops.

Farm Finance Situation Remains Relatively Strong

A national farm financial crisis has not occurred, in large part because of record government payments and increased offfarm income. Farm numbers have been fairly stable in recent years. The proportion of nonperforming farm loans has risen only slightly, the debt-to-asset ratio remains at about 16 percent (down from 23 percent during the mid-1980s farm financial crisis), and farm real estate values and land rental rates generally continue to rise. In 1999, U.S. farmland values rose 3 percent nationally and were up in 42 states, and cash rents paid for 2000 were up in 40 states. Bankers in the Chicago Federal Reserve District, for

example, reported that land values in the district rose 7 percent over the 12-month period ending on October 1 of last year.

While the national picture appears secure, regional and sectoral problems persist. The combination of low prices and structural change have caused the number of dairy and hog operations to decline, and adverse weather in the Southeast, Southern Plains, and elsewhere has helped create regional pockets of farm financial stress.

Farm debt rose 2.4 percent in 2000, surpassing \$180 billion for the first time since 1984. In 2001, farm debt is forecast to increase to slightly under \$183 billion. Even though farmers' balance sheets are much improved from the mid-1980s, the projected drop in farm income lessens farmers' ability to repay existing debt.

A useful indicator of financial stress is debt held by farms as a percentage of the maximum feasible debt that farms can take on, which is referred to as debt repayment capacity utilization (DRCU). Maximum feasible debt is a calculation based on net farm income, the interest rate, an assumed 7-year average repayment period for debt, and bankers' guidelines on the maximum level of income that should be used for principal and interest. In 2000, U.S. farmers, on average, used a little over 60 percent of their maximum feasible debt, and this figure is forecast to increase to 65 percent in 2001.

The DRCU analysis may be taken a step further by looking at how this measure of debt stress is distributed among farming operations. Of the 2.2 million U.S. farms, about one-quarter (512,000 operations) are commercial farm businesses, selling at least \$50,000 of output per year. These farms account for 90 percent of total U.S. production.

Commercial farms that cannot service their debt and that stop performing on their loans usually have debt equal to at least 240 percent of maximum feasible debt. In 1998, the number of farming operations in this category rose, but the number fell in 1999. Weak markets probably led producers to use government payments to pay down debt. In both 1999 and 2000, about 50,000 of the nation's

512,000 commercial farm businesses had DRCU of 240 percent or more. In 2001, the number is forecast to increase to 70,000.

Record-high government assistance to farmers is the most obvious reason farm financial stress has been limited. Another reason is the strong nonfarm economy, which has helped expand off-farm income opportunities for farm households. Earnings of farm operator households from off-farm sources averaged an estimated \$60,000 in 2000, up from less than \$36,000 in 1992. In recent years, about 90 percent of total income of the average farm household comes from off-farm sources, and the average income of farm operator households, including income from off-farm sources, has been above the average for all U.S. households. Off-farm jobs in rural areas are a major reason why the number of farms stabilized at 2.2 million in the 1990s.

Major Crop Markets Show Signs of Improvement

Prices of major crops for the 2000/01 season are expected to register modest improvement from last year's 15- to 25-year lows, reflecting another year of large global production of major crops and ample stocks. Given no major weather disruptions in the world's major crop growing regions in 2001/02, further expansion in global demand for agricultural products—e.g., corn in Asia—is expected to lead to continued increases in major crop prices over the next several months and into the 2001/02 marketing year.

While it is too early to predict a substantial recovery in major crop prices in 2001, global stock levels going into the 2001 season are projected to be down sharply from a year earlier. At the end of this season, global grain stocks are projected to be down 10 percent from a year earlier and the lowest since 1996/97. As a result, world prices could move up sharply if weather adversely affects global crop production over the next several months.

U.S. winter *wheat* plantings last fall were down 5 percent from a year earlier and the lowest since 1971. While late plantings could reduce winter wheat yields,

Trade-Generated Gains Strengthen Agricultural Sector In Long Run

USDA's new longrun (10-year) baseline projections indicate continuing recovery in the agricultural sector over the next several years from the market situation in the late 1990s that resulted in generally weak agricultural commodity prices. For the remainder of the period, continuing improvement in global economic growth leads to stronger U.S. exports, further gains in agricultural commodity prices, and rising farm incomes.

For several years in the late 1990s, farmers in the U.S. and abroad harvested large crops, while the global financial crisis weakened world agricultural demand. Strong foreign competition in a weakened global trade setting reduced the value of U.S. agricultural exports and market cash receipts to U.S. farmers. Net farm income was maintained at levels near the average of the 1990s only through large government marketing loan benefits and by additional funds provided to the sector through emergency and disaster assistance legislation.

Although some lingering effects of the global economic crisis remain, the general recovery underway in crisis countries has strengthened global demand and trade, and U.S. agricultural exports have risen. Nonetheless, the buildup of global supplies in the late 1990s keeps agricultural prices under pressure over the next several years, with marketing loan benefits continuing to have an important role in the U.S. farm sector. U.S. farm income declines in the initial years of the baseline, largely reflecting an assumption of a reduction in direct government payments to the sector from high levels of the past several years.

Longer run developments in the agricultural sector reflect continuing macroeconomic improvement. Structural reform in countries most affected by the global financial crisis of the late 1990s leads to strengthening world economic growth, particularly in developing countries, providing a foundation for further gains in trade and U.S. agricultural exports. Expanding production in a number of foreign countries (e.g., Brazil and Argentina), however, results in continued strong export competition throughout the baseline period. Nonetheless, growth in trade leads to rising market prices, increases in farm income, and improvement in the financial condition of the U.S. agricultural sector.

Consumer food prices are projected to continue a long-term trend of rising less than the general inflation rate. The trend in consumer food expenditures toward a larger share for meals eaten away from home is expected to continue.

Paul Westcott (202) 694-5335 westcott@ers.usda.gov

The USDA baseline provides longrun projections for the agricultural sector through 2010. Projections cover agricultural commodities, agricultural trade, and aggregate indicators of the sector such as farm income and food prices. The projections are based on specific assumptions regarding macroeconomic conditions, policy, weather, and international developments. The baseline assumes no shocks due to abnormal weather or other factors affecting global supply and demand. The 10-year baseline scenario assumes continuation of current agricultural law of the 1996 Farm Act. The baseline also assumes no further ad hoc emergency and disaster assistance.

The baseline projections are one representative scenario for the agricultural sector for the next decade. As such, the baseline provides a point of departure for discussion of alternative farm-sector outcomes that could result under different assumptions. The projections in the USDA baseline report, which reflect a composite of model results and judgmental analysis, were prepared in September through November 2000.

USDA's complete 2001 baseline projections are available at: http://www.ers.usda.gov/briefing/baseline/

weather conditions this spring will be the major factor in determining wheat yields. Reduced wheat supplies in 2001/02 are expected to lead to the second consecutive year of reduced carryover and rising farm prices.

In 2001, higher natural gas prices will increase *corn* producers' fertilizer and irrigation costs. These higher costs are expected to lower corn plantings in 2001. Assuming normal weather, lower acreage coupled with expanding ethanol use and another year of strong export opportunities supported by continued global economic growth could tighten ending stocks, strengthening market prospects for corn in 2001/02.

Less fall-planted wheat, higher fertilizer prices, planting flexibility, and the benefits of the soybean marketing loan program provide an incentive for further expanding *soybean* plantings in 2001. Assuming normal weather, higher acreage could lead to another year of record soybean production and of rising carryover, even though total use could also reach another record in 2001/02. The European Union's ban on the use of meat and bone

meal in animal feeds could raise soybean meal exports, but foreign competition is likely to remain intense. Under pressure of rising stocks, soybean prices could decline in 2001/02.

U.S. *red meat and poultry* production posted a 1-percent gain in 2000. Despite last year's record in total red meat and poultry production, cattle and hog prices were up as demand for meat was strong.

In 2001, meat production is expected to be unchanged—gains in pork and poultry production are offset by declines in beef following several years of heavy heifer slaughter. Declining beef production is expected to push cattle prices higher, while increasing pork production could pressure hog prices, especially in the last quarter of 2001. Broiler producers, in response to continued low prices through most of 2000, have begun to reduce their rate of expansion, and broiler prices in 2001 are projected to be about unchanged from last year after falling 3 percent in 2000. Some recovery in milk prices is also expected as the surge in milk production over the past 2 years dissipates. Livestock, poultry, and dairy producers

should benefit from another year of low feed costs.

The outlook for *horticultural crops* is very uneven. Cash receipts for these crops as a group are projected to be up in 2001, and the value of exports is forecast to reach a record \$11 billion in fiscal 2001. However, prices for some horticultural crops are being adversely affected by large supplies. For instance, prices of apples, pears, and potatoes were down at least 15 percent, and prices of lemons and grapefruit were off more than 50 percent in February, compared with a year earlier.

Over the next several years, the agricultural sector is expected to continue to recover from the current weak market situation. Increases in exports and domestic use are expected to boost farm cash receipts, but farm income could fall below recent levels during the next few years, as gains in cash receipts fail to offset lower government payments (assuming no additional supplemental assistance).

Keith Collins Chief Economist, USDA

In upcoming issues of Agricultural Outlook

- Field crop plantings in 2001
- AO's ongoing series on farm policy issues and proposals
- Farm credit use in 2001
- Government payments to agriculture: accounting for the funds

Briefs

Food & Marketing

Modest Rise in Food Prices This Year

Consumers can expect modest increases in food prices for the fourth year in a row, with the Consumer Price Index (CPI) for all food projected to be up 2 to 2.5 percent in 2001, compared with 2.3 percent in 2000. This continues a long-term trend of food prices rising slightly less than the general inflation rate, forecast at 3 percent in 2001. For food prepared at home, the CPI in 2001 is projected to rise 2 to 2.5 percent, with food away from home up 2.5 to 3 percent.

In 2000, sales of food at home are forecast to increase 5.1 percent, while food-awayfrom-home sales are forecast to increase 9.7 percent in 2000. As a result, expenditures for all food in 2000 could increase to \$842.7 billion from \$788.6 billion in 1999. Rising incomes are chiefly responsible for the increased spending on food away from home, which could amount to 48 percent of total food expenditures in 2000. Higher energy prices did not translate into higher food prices in 2000, largely because transportation and energy costs together are less than 10 percent of the total food marketing bill (which constitutes 80 cents of every dollar of consumers' food expenditures, compared with 20 cents that goes to the farmer).

Food price changes are key to shifts in the proportion of income consumers spend for food. In 1999, this proportion was 10.4 percent of household disposable personal income, with 6.2 percent for food at home and 4.2 percent for food away from home. The downward trend in the share of household disposable personal income spent on food should continue into 2000 and 2001. In 2001, consumer spending is expected to grow by 3 percent but will be held in check by a tight labor market, more limited credit, and higher energy prices.

Meats. U.S. red meat and poultry production posted nearly a 1-percent gain in 2000, and retail prices were higher for all meats, especially beef and pork. In 2001, meat output is expected to be unchanged, with poultry, hog, and turkey producer prices remaining steady or declining.

Continuing large meat production, lackluster export growth, and a slowing domestic economy may pressure wholesale and retail prices downward.

Beef and veal. Beef production was up 1.5 percent in 2000, with prices for retail Choice beef at a record \$3.06 a pound. The beef CPI rose 6.4 percent in 2000 and is expected to increase 3 to 4 percent in 2001. First-half 2001 beef output is likely to decline 3 to 4 percent from a year earlier, while second-half production may decline 5 to 6 percent. The slowing economy is expected to dampen demand for higher quality cuts of beef, which led to the record-setting retail prices in 2000.

Pork. Retail pork prices rose a sharp 7.3 percent in 2000, with the 2001 CPI expected to increase 2 to 3 percent. Commercial pork production in 2001 is forecast at 19.3 billion pounds, up almost 2 percent from 2000, and, if realized, would be just above the 1999 record. Per

capita pork and competing meat consumption should stay about the same in 2001. The slowing economy and sharply higher energy costs may temper consumer demand for beef and pork this season.

Poultry. The CPI for poultry increased 1.2 percent in 2000, with a rise of 1 to 2 percent expected in 2001. Broiler production in 2001 is forecast at 31 billion pounds, up about 1.5 percent from 2000. Responding to low prices through most of 2000, broiler producers have indicated that they will slow production growth in 2001. With strong exports to the three largest markets (Russia, Mexico, and China/Hong Kong) and a number of smaller markets, U.S. broiler exports surged to over 5.5 billion pounds in 2000 and are expected to be 5.7 billion pounds in 2001. Competition in export markets is expected to continue driving the poultry industry's ability to efficiently convert feed to meat, lowering its cost relative to beef and pork.

Fish and seafood. The CPI for fish and seafood was up 2.8 percent in 2000, with an expected increase of 2 to 3 percent in 2001. U.S. per capita seafood consump-

Changes in Food Price Indicators, 1999 through 2001

| | Relative weights* | 1999 | 2000 | Forecast 2001 |
|---------------------------------|-------------------|------|------------|---------------|
| | Percent | | –Percent c | hange—— |
| All items | | 2.2 | 3.3 | 3.0 |
| All food | 100.0 | 2.1 | 2.3 | 2 to 2.5 |
| Food away from home | 37.2 | 2.5 | 2.4 | 2.5 to 3 |
| Food at home | 62.8 | 1.9 | 2.3 | 2 to 2.5 |
| Meats | 10.8 | 0.5 | 5.9 | 2 to 3 |
| Beef and veal | 5.0 | 2.0 | 6.4 | 3 to 4 |
| Pork | 3.7 | -1.8 | 7.3 | 2 to 3 |
| Other meats | 2.2 | 1.0 | 2.6 | 2 to 3 |
| Poultry | 3.1 | 0.5 | 1.2 | 1 to 2 |
| Fish and seafood | 2.2 | 2.0 | 2.8 | 2 to 3 |
| Eggs | 0.8 | -5.4 | 3.0 | 6 to 7 |
| Dairy products | 6.9 | 5.8 | 0.7 | 1 to 3 |
| Fats and oils | 1.9 | 1.0 | -0.6 | 1 to 2 |
| Fruits and vegetables | 9.6 | 2.5 | 0.7 | 2 to 3 |
| Fresh fruits and vegetables | 7.5 | 2.8 | -0.7 | 3 to 4 |
| Fresh fruits | 3.8 | 8.0 | -3.0 | 1 to 2 |
| Fresh vegetables | 3.7 | -3.0 | 4.8 | 4 to 6 |
| Processed fruits and vegetables | 2.1 | 2.1 | 1.1 | 1 to 2 |
| Sugar and sweets | 2.4 | 1.4 | 1.1 | 1 to 2 |
| Cereal and bakery products | 10.0 | 2.2 | 1.8 | 2 to 3 |
| Nonalcoholic beverages | 6.7 | 1.0 | 2.6 | 2 to 3 |
| Other foods | 8.4 | 2.1 | 2.0 | 2 to 3 |

*Bureau of Labor Statistics estimated weights as share of all food, December 2000. Sources: Historical data, Bureau of Labor Statistics; forecasts, Economic Research Service. Economic Research Service, USDA

Briefs

tion has remained flat, between 14.8 and 15.2 pounds of edible meat per year, with population growth accounting for increases in total domestic seafood consumption. A strong U.S. economy in 2000 boosted away-from-home food demand as people traveled and ate out more. This was especially important for seafood, as a large percentage is consumed at restaurants. More than 50 percent of fish and seafood consumed in the U.S. in 2000 came from imports, with another 20 to 25 percent from U.S. farm-raised production.

Eggs. Retail egg prices increased 3 percent in 2000, with an increase of 6 to 7 percent expected in 2001. Table-egg production rose 2 percent in 2000, while hatching-egg production was flat. Retail egg prices were highest during the fourth quarter, reflecting seasonal demand as well as supplies that were only 2 percent above third-quarter supplies. Per capita consumption is expected to reach 258 eggs in 2001, down slightly from 2000.

Dairy and related products. Prices rose 0.7 percent in 2000, following a 5.8-percent increase in 1999. Strong consumer demand for dairy items, notably gourmet ice cream, cheese, and butterfat products, is expected to continue this year, with the CPI for dairy products rising 1 to 3 percent. Growth in milk output is expected to ease slightly in 2001, after consumer demand outstripped supplies in 1998 and 1999. Most fluid milk is still sold at retail. but cheese and butter are used mostly by away-from-home eating establishments or by manufacturers of processed foods. Greater away-from-home dining has reduced fluid milk sales as people tend to order other beverages in restaurants.

Fats and oils. Prices fell 0.6 percent in 2000, but are expected to increase 1 to 2 percent in 2001. The decrease in the 2000 index was due largely to lower retail prices for butter, which accounts for 31 percent of the fats and oils index. The remaining items in the fats-and-oils index are highly processed foods, with price changes influenced by the general inflation rate in addition to U.S. and world supplies of vegetable oils.

Fresh fruits. The 1999/2000 citrus crop rebounded in California, leading to a 3-percent decrease in the fresh fruit price

index in 2000. Large supplies of other major fruits also contributed to a decrease in the fresh fruits CPI. With the 2000/01 citrus crop and supplies of noncitrus fruits expected to be about the same as last year, and with continued strong U.S. consumer demand for fresh fruits, the fresh fruits CPI is expected to increase only 1 to 2 percent in 2001.

Fresh vegetables. The CPI for fresh vegetables increased 4.8 percent in 2000 due to lower production and strong demand for fresh vegetables. Fresh-market vegetable harvested area was estimated down about 1 percent from 1999 in response to lower grower prices.

A combination of reduced winter acreage in first-quarter 2001 and several bouts of sub-freezing weather in Florida have reduced fresh-market vegetable supplies particularly green peppers, snap beans, squash, eggplant, tomatoes, and cucumbers. Low prices for leafy green and other cool-season vegetables from California have helped offset higher prices for Florida vegetables. Retail prices for potatoes, the most heavily weighted item in the fresh vegetable CPI, are low this year due to a record-large fall crop. While imports will help fill some of the supply gaps, the impact of the Florida freeze on prices may continue until April. However, vegetable growers have indicated they expect harvested acreage to be down 2 percent in winter 2000/01. Combined with the Florida freeze, this should raise the fresh vegetable index another 4 to 6 percent in 2001.

Processed fruits and vegetables.

Adequate supplies of most fruits and vegetables for processing limited the CPI increase for processed fruits and vegetables to 1.1 percent in 2000. With lower supplies of processed vegetables and adequate supplies of frozen concentrate orange juice and other fruit expected in 2001, the CPI for processed fruits and vegetables is expected up 1 to 2 percent.

Sugar and sweets. Domestic sugar production for 1999/2000 was a record 9 million tons, more than 600,000 tons above the previous marketing year. Low prices for soybeans, corn, wheat, barley, and rice led farmers to shift acreage to sugar. With relatively low inflation and increased output, the CPI for sugar and sweets

increased only 1.1 percent in 2000. While demand for sugar and sugar-related products continues to rise, large U.S. sugar supplies are outpacing demand. Per capita consumption of caloric sweeteners increased almost 20 pounds per person from 1990 to 2000, partly because inflation-adjusted retail prices dropped dramatically-from 33 cents/lb. in 1990 to 26 cents/lb. in 2000—and also because of increased spending for away-from-home eating and consumers' willingness to treat themselves. With large sugar supplies expected again in 2000/01, the CPI for sugar and sweets is expected to increase a moderate 1 to 2 percent in 2001.

Cereal and bakery products. These items account for almost 16 percent of the at-home food CPI. With grain prices lower and inflation-related processing costs modest, the CPI for cereals and bakery products increased 1.8 percent in 2000. Most of the costs to produce cereal and bread products are for processing and marketing—more than 90 percent in most cases—so farm ingredients are a relatively minor cost consideration. With competition among producers and consumer demand for bakery products expected to remain fairly strong, the CPI is forecast up 2 to 3 percent in 2001.

Nonalcoholic beverages. The CPI for nonalcoholic beverages increased 2.6 percent in 2000 and is forecast to increase another 2 to 3 percent in 2001. Coffee and carbonated beverages are the two major components, accounting for 28 and 38 percent of the index. In 2000, retail prices were 1 percent higher for ground roast coffee and up 4 percent for soft drinks. World coffee production in 2000/01 is forecast record-high, nearly 2 percent above last year. Up to 80 percent of U.S. imports are arabica beans, and 15 to 20 percent are robustas—mainly for soluble (instant) coffee. Recent near-record production in Brazil, the largest producer of arabica, should lead to larger U.S. stocks and continued moderate consumer prices.

AO

Annette L. Clauson (202) 694-5389 aclauson@ers.usda.gov

For more information on food prices, see the Economic Research Service briefing room at www.ers.usda.gov/briefing/ CPIFoodAndExpenditures/

Briefs

Livestock, Dairy, & Poultry

Sheep & Lamb Inventory Continues To Decline

The U.S. sheep industry continues a long-term trend of negative growth that has seen the inventory shrink from a 1942 peak of 56 million head to 6.92 million head on January 1, 2001. This year's inventory is 2 percent below the level on January 1, 2000, and 50 percent below 1975, reflecting decreasing U.S. demand for wool and for lamb and mutton and rising competition from Australia and New Zealand.

Texas, the largest sheep-producing state, saw an 8-percent drop in inventory during 2000, while Wyoming (third largest) saw a 7-percent decline. Several states did register gains, including California, Oregon, Nebraska, and Indiana. But drought conditions in the Southern Plains and western states contributed to a relatively large decline (5 percent) in national breeding stock.

Commercial production of lamb and mutton has mirrored the long-term decline in inventory. In calendar 2001, production of lamb and mutton is expected to total about 217 million pounds, down 7 percent from 2000 and 46 percent from 1975. With production down, farm prices of lambs are expected to average in the low \$80's per cwt this year, up about \$1 from 2000. Based on seasonal price patterns, market lamb prices are expected to peak during the Easter/Passover season, averaging \$81-\$85 in the second quarter.

In recent years, rising U.S. imports have offset declining lamb and mutton production, keeping per capita consumption stable. Imports, which account for about one-third of U.S. consumption, are nearly all from Australia (59 percent) and New Zealand (39 percent). Mutton and lamb enjoy a niche market, with regular con

sumption concentrated in ethnic groups of Middle Eastern, African, Latin American, and Caribbean descent.

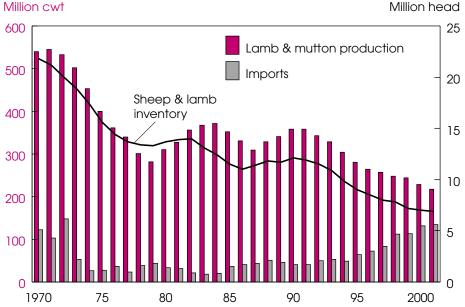
Following the import rise in the mid-1990s, the U.S. established in July 1999 a 3-year tariff-rate quota (TRQ). The ad valorem duty for in-quota amounts (up to 70.2 million pounds) was 9 percent in the first year (July 1999-June 2000) and is reduced by 3 percentage points for each subsequent year. The over-quota duty was 40 percent in the first year. In the second and third years, in-quota import levels will rise to about 72.1 million pounds and about 74 million pounds, respectively, with over-quota tariffs at 32 percent and 24 percent. In 2001, U.S. lamb and mutton imports are expected to be up about 5 percent from 2000 to 135 million pounds as import restrictions are reduced.

In October 1999, New Zealand and Australia filed complaints against the U.S. to the World Trade Organization (WTO). A WTO panel ruled in favor of New Zealand and Australia in December 2000, recommending that the U.S. bring its import safeguard measures on lamb meat (the TRQ) into conformity with its WTO obligations concerning safeguards. The U.S. has since appealed the ruling, and the results of the appeal are pending.

AO

Keithly Jones (202) 694-5172 kjones@ers.usda.gov

While Imports Climb Keith



Lamb and Mutton Production Continues Long-Term Decline

Cattle imports from Mexico—what's driving them?

. . . in an upcoming issue of Agricultural Outlook

Commercial production. 2001 forecast. Economic Research Service, USDA



Lettuce: In & Out of the Bag

ettuce has never been more popular in the U.S. The average American consumed 33 pounds of lettuce in 2000—an all-time high. This growing market has spurred the U.S. lettuce industry to reinvent itself over the past decade. In response to consumer demand for variety, freshness, and convenience, and as a result of technological innovations in packaging materials, lettuce shippers now offer customers everything from heads of iceberg to ready-to-eat salads.

Today's lettuce shippers market their wares through a variety of outlets: grocery stores, foodservice operations, produce wholesalers, mass merchandisers, and exporters. While some firms specialize, others consciously diversify across marketing channels. Operations range in scope from firms that simply wash, core, and wrap lettuce to large, sophisticated processing plants that bag salad blends and salad kits in special, patented films.

California & Arizona Dominate the Market

The U.S. produces more lettuce than any other country except China. Nearly all (more than 99 percent) of the lettuce consumed in the U.S. is produced domestically. Just two states, California and Arizona, produce 96 percent of the country's commercial iceberg (also known as crisphead

or head) and romaine lettuce and 98 percent of its leaf lettuce.

Overall, U.S. lettuce production has risen 16 percent since 1992. The soaring popularity of romaine lettuce, a staple of Caesar salads and bagged salad mixes, has led to a huge increase in production: 162 percent since 1992. Production of leaf lettuce (up 37 percent) has also been strong, due largely to the enduring popularity of salad bars and bagged salad blends. Iceberg lettuce has experienced a relative fall from favor, with production increasing only 2 percent since 1992. As the popularity of other varieties has risen, iceberg's share of U.S. lettuce production has declined from 84 percent in 1992 to 73 percent in 2000.

A relatively small number of firms coordinate the growing, processing, and transport of lettuce. Nearly all the major lettuce shippers have headquarters and yearround sales offices in the Salinas, California area. By organizing lettuce production in precise sequences, these firms have ensured that lettuce can be grown domestically throughout the year. Iceberg lettuce, for instance, is produced in the Salinas Valley from April through October, then briefly in Huron, California, before a new growing season begins in the desert areas of Yuma, Arizona, and California's Imperial Valley, running from

November through March. Huron provides another brief production bridge between the desert and the Salinas Valley in March and April. Leaf lettuce can follow a slightly different sequence, which can include planting in California's Santa Maria and Coachella valleys.

Most shippers of iceberg, leaf, and romaine lettuce handle other vegetables as well—sometimes as many as 75 different types, including broccoli, cauliflower, celery, green onions, radishes, and spinach—so that they can offer their customers one-stop shopping. Some of these shippers also specialize in crops that have smaller markets, such as artichokes, asparagus, cactus pears, rapini, and organic vegetables.

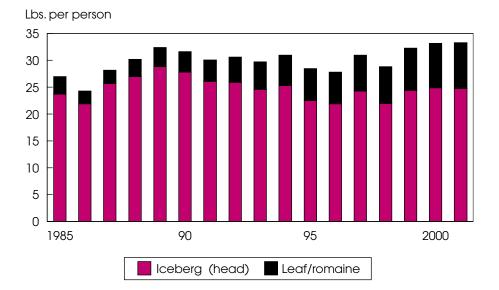
Iceberg, still the most widely used variety of lettuce in the U.S. (24.9 pounds consumed per capita in 2000), is second only to the potato (51 pounds consumed per capita last year) as the most popular fresh vegetable in the U.S. But while Americans used nearly 6.9 billion pounds of iceberg in 2000, per capita use has declined 13 percent since the 1989 peak. Decline in the iceberg market has been more than offset by increased demand for romaine and leaf lettuce. As Americans have tried to improve their diets, they have become more open to trying new varieties of lettuce (red leaf, bib, butterhead, and others) and more interested in buying conveniently bagged salad blends and kits. The result: per capita use of leaf and romaine lettuce has more than doubled since the beginning of the 1990s, culminating in a record 8.3 pounds in 2000.

From Farm to Market: The Processing Picture

Most shippers process their lettuce in one of three ways. Lettuce sold as a *commodity* undergoes virtually no processing; *value-added* lettuce is typically washed, bagged, and sold ready-to-serve; and *fresh-cut* (also known as fresh-processed) lettuce appears in bagged salad blends or kits. Lettuce marketed as a commodity is generally sold in bulk and under brands not widely recognized by consumers.

A commodity such as bulk spring mix—created by combining several different kinds of leaf lettuce—is not considered to be a "value-added" product. True value-

U.S. Per Capita Lettuce Consumption Is Record-High



Farm weight. 2001 forecast. Economic Research Service, USDA

added products require more processing. For instance, although broccoli crowns or leaf lettuce sold in bulk are considered commodity products, broccoli florets that are washed and sold in 16-ounce packages, ready to serve or cook, are valueadded, as are hearts of romaine. Most value-added products come bagged in simple cellophane, not in the sophisticated films used to protect salad mixes and kits. Although some value-added products may not bear universal product codes (UPCs), they will often sport PLU (price lookup) codes that are not scanned but are entered by hand at the cash register.

Value-added products require a small amount of processing, and thus require relatively little in the way of capital investment. Many value-added processing operations can be performed in modified packing sheds, with a modest amount of equipment. However, makers of fresh-cut products such as bagged salads must make substantial capital investments in plants and specialized machinery.

Because of these high capital costs—more than \$20 million for a central or regional processing plant—smaller producers may have difficulty entering the market. Other costs include special packaging films that manage transpiration and respiration rates

and extend shelf life; research and development of new films; and sophisticated merchandising. Producers of fresh-cut let-

tuce products must follow specific procedures in the "cold chain" that extends from the processing plant to the retail display case, and always be on the lookout for ways to reduce delivery times from regional processing plants. Fresh-cut products are marketed using consumer-recognized brand names and have UPC codes that are scanned by supermarket cashiers.

In 1993, 55 firms sold 197 fresh-cut salad items (lettuce-based salad blends and salad kits) in mainstream U.S. supermarkets. Sales totaled \$197 million, according to scanner data from Information Resources, Inc. By 1999, 54 firms were selling 459 items, and sales had skyrocketed to \$1.3 billion. However, largely because of barriers to entry in the bagged salad market (e.g., high capital requirements and brand recognition), only a few firms have vied for a major share of the national retail market. Competition for regional and national market shares has been intense. From 1993 to 1999, the top two firms increased their joint market share from about two-thirds to three-quarters of national sales. The remaining top

Production Sites for Iceberg Lettuce Shift with the Seasons



Adapted from Wilson, Thompson, and Cook in *Choices*, First Quarter 1997. Economic Research Service, USDA

national and regional firms saw their collective market share drop from 27 percent of national sales in 1993 to 14 percent in 1999. Some of these firms have apparently shifted from producing branded products to private-label products (retailers' house brands), which accounted for 5 percent of national sales in 1993 but had jumped to 10 percent by 1999. The number of competitors outside the top 10 peaked at 53 in 1994 and declined to 43 in 1999, while their combined market share shrank to less than 1 percent of total dollar sales.

Processors and shippers of fresh-cut salads have a more complex relationship with retailers than firms that sell only commodities, primarily because salads resemble packaged goods more than they do conventional produce—a uniform quality product that is available year round. The amount of fresh-cut salad shipped to retailers is more consistent from week to week than that of much fresh produce, although, according to university research, consumer demand for fresh-cut salads does fluctuate seasonally. Producers of fresh-cut products are concerned about capacity utilization, and process raw ingredients continuously despite fluctuations in yields and production throughout the year.

Emerging Trade Practices & Trends in Produce Marketing

The Economic Research Service (ERS) is working with industry experts to undertake descriptive and analytical research studies on the changing nature of produce markets and market channels and their implications for competition. The major objective of a recently completed study was to identify and characterize types of marketing and trade practices used in the produce industry, focusing on the relationship between shippers and retailers.

Because there are no public data on transactions between produce shippers and their customers, ERS and university researchers conducted a small number of personal interviews with fresh fruit and vegetable shippers to better understand these practices and the changing nature of shippers-buyer relations. The study focused on California grapes, oranges, and tomatoes; California and Arizona lettuce and bagged salads; and Florida tomatoes and grapefruit. The interviews concentrated on two main aspects of the business relationship between shippers and retailers: the types and characteristics of sales and marketing arrangements, and the types of fees and services that shippers are being asked to provide, or are offering, to retailers and mass merchandisers.

For more information on the produce marketing study, see AO March 2001. More details on the findings for lettuce and bagged salads will be available in the forth-coming publication, Recent Changes in Marketing and Trade Practices in the U.S. Lettuce and Fresh-Cut Vegetable Industries, on the ERS website—www.ers.usda.gov.

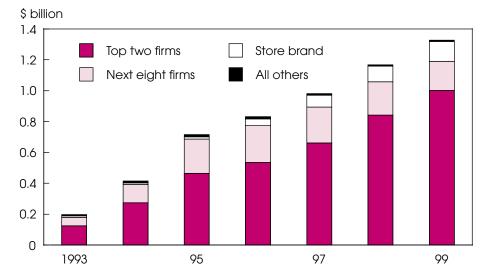
Although short supplies of produce resulting from bad weather would ordinarily translate into higher prices for retail buyers, fresh-cut salad shippers tend to absorb those increases and keep prices stable. By doing this, they ensure that weather conditions usually do not affect

retail prices. In all of these ways, the fresh-processing business is more a manufacturing than an agricultural enterprise—a key indication of how much the U.S. lettuce industry has changed in recent years.

Product Mix & Marketing Channels Are Diverse

In conjunction with a team of university researchers, USDA's Economic Research Service interviewed 15 lettuce shippers in California and Arizona as part of a larger study on changes in produce marketing. Eight of the 15 shippers sold lettuce as a commodity, as well as (on average) 24 other kinds of fresh vegetables. The shippers sold mostly iceberg lettuce, followed by romaine and green and red leaf lettuce. Five of the eight firms sold lettuce only as a commodity, and three offered a few fresh-cut and value-added items such as broccoli and cauliflower florets. Seven of the 15 shippers interviewed either concentrated exclusively on bagged salads or offered an extensive line of bagged salads and other value-added products in addition to their commodity sales. The combinations of fresh-cut, value-added, and commodity items varied significantly from firm to firm.

Retail Sales of Fresh-Cut Salad in Mainstream Supermarkets Are Highly Concentrated in a Small Number of Firms



Source: Information Resources, Inc. Economic Research Service, USDA

WINDOW on the Past

Excerpts from USDA publications

U.S. Consumers Demanding Crisp-Textured Lettuce

Lettuce is the most important salad plant and one of the most important of the vegetable crops. The present commercial crop has an annual value of about \$28,000,000. Lettuce is in demand at all seasons of the year. . . .

The Western States grow largely the crisp-head type of lettuce, which sells on the eastern markets as "Western Iceberg."... Until recently the eastern lettuce crop consisted almost entirely of the butter-head varieties Big Boston and White Boston, ... [but they] are being rapidly replaced by strains of crisp-head New York and the Imperials.

This shift from butter-head varieties . . . has resulted from consumer demand. The consuming public has come to prefer the crisp-textured lettuce, and jobbers and dealers find that it stands handling and shipment better than the more delicate butter-head varieties.

Cos or romaine lettuce has never been popular in America. . . . There is a limited market for this type of lettuce among the foreign population of the larger cities.

Yearbook of Agriculture, 1937

Contact: Anne B.W. Effland (202) 694-5319 aeffland@ers.usda.gov

Most shippers use a variety of outlets for selling their lettuce. Ten of the firms interviewed provided information on where they marketed their lettuce in 1999. Grocery retailers were the most frequent marketing outlet, followed by food service, produce wholesalers, mass merchandisers, brokers, and exporters. In contrast, firms selling bagged salads and valueadded products sold almost exclusively to retailers and foodservice firms.

Sales and marketing arrangements will continue to change as markets for lettuce and fresh-cut produce evolve. For example, the relationships between shippers and their customers are becoming more formalized. Buyers are developing preferred supplier arrangements with shippers, written contracts are more common, mass merchandisers are making shippers responsible for tracking sales and replenishing inventory, and shippers are providing category management to retailers (*AO* March 2001).

Lettuce shippers have adopted various business strategies to manage buyer demands for greater volumes, broader product lines, and year-round availability. Some firms have changed their internal focus to concentrate on certain market channels or commodities. Some have made external arrangements with other vegetable shippers—such as co-packing arrangements, alliances, and consolidated marketing offices—to bolster their product lines and sales. In addition, product innovation has brought new fresh-cut items to grocery store shelves. Fresh-cut fruit and potato products are now on the market and may become more widely available as processing plants are built in more locations around the country. AO

Lewrene Glaser (202) 694-5246, Gary Lucier (202) 694-5253, and Gary Thompson (University of Arizona) lkglaser@ers.usda.gov glucier@ers.usda.gov

April Releases—USDA's Agricultural Statistics Board

The following reports are issued electronically at 3 p.m. (ET) unless otherwise indicated.

April

- 2 Crop Peogress (4 p.m.)
- 3 Weather Crop Summary (12 noon) Dairy Products Egg Products
- 4 Broiler Hatchery
- 6 Dairy Products Prices (8:30 a.m.) Poultry Slaughter Vegetables
- 9 Crop Progress (4 p.m.)
- 10 Crop Production (8:30 a.m.) Weather - Crop Summary
- 11 Broiler Hatchery
- 12 Dairy Products Prices Milkfat Prices Potato Stocks Turkey Hatchery
- 16 Crop Progress
- 17 Milk Production
 Weather Crop Summary
- 18 Broiler Hatchery Fruit and Vegetable Ag. Practices
- 19 Hatchery Production Ann.
- 20 Dairy Products Prices
 (8:30 a.m.)
 Catfish Processing
 Cattle on Feed
 Cold Storage
 livestock Slaughter
- 23 Chickens and Eggs Crop Progress (4 p.m.) Monthly Agnews Weather - Crop Summary
- 25 Broiler Hatchery Dairy Products - Ann. Floriculture Crops Milk - PDI Poultry - Production and Value
- 27 Dairy Products Prices
 (8:30 a.m.)
 Milkfat Prices (8:30 a.m.)
 Meat Animals PDI
 Monthly Hogs and Pigs
 Peanuts Stocks and Processing
- 30 Agricultural Prices Crop Progress (4 p.m.)



Japan's Changing Agricultural Policies

The high cost of farming and increased openness to world trade have put Japan's agricultural producers under constant competitive pressure. As a result, the number of farms in Japan dropped by 14 percent from 1990 to 1998, and Japan is increasingly dependent on food imports to meet consumers' nutritional needs. Japan is the world's largest importer of agricultural products (\$33 billion in 1999). The government is revising its agricultural policies and programs in an attempt to stem the decline in self-sufficiency in food production. Japan also seeks to ensure that its farm program expenditures will be exempt from reductions required under current and proposed rules of the World Trade Organization (WTO). In its February 2001 notification to the WTO, Japan contended that major programs subject to reduction have been replaced by new programs that are less trade-distorting and thus exempt from cutbacks.

New National Food Policy

In July 1999, Japan adopted the Basic Law on Food, Agriculture and Rural Policy, which "thoroughly, reviews the postwar agricultural policies...and sets up a new policy-making scheme under...four basic principles," which include securing a stable food supply, fulfillment of the multiple functions of agriculture, sustainable development of agriculture, and promotion of rural areas. These principles reflect two themes stressed by Japan's government: 1) national food security requires that domestic agriculture produce some minimal level of output, and 2) agriculture is multifunctional, not only producing food and fiber, but also serving, for example, an environmental purpose.

Major initiatives are underway to change the structure of farming and to make it more efficient. Under its current structure, Japan's agriculture has such high producer costs that without protection it could not compete with most imported products. Without barriers to trade, Japan's consumers could rely almost completely on imports to satisfy their food needs—and save money.

Japan is raising economic and political arguments that even with its current uncompetitive structure, agriculture's functions beyond producing food for the market make it worth preserving. For instance, Japan cites the value of rice paddies in controlling flooding and the need to maintain agriculture in order to preserve the economic health of rural villages.

Japan's new policy stance explicitly recognizes that food security depends on continued imports and stocks, as well as on maintaining domestic production capability. During the current WTO discussions to continue the agricultural reform process, Japan is arguing that greater dependence on imported food (currently supplying 60 percent of caloric intake) could be dangerous if extreme events, such as war, cut trade links.

The goal of the Basic Law is preserving Japan's current level of domestic food production and not allowing the rate of food self-sufficiency (the share of consumption produced domestically) to decline further. Given this objective, the Basic Law encourages greater use of market mechanisms to increase the efficiency of the farm sector. In the last 3 years, a series of commodity-specific laws has changed the way the government supports agriculture. In general, the new policies set up programs to provide income support and income insurance for production of specific commodities instead of intervening to support market prices.

The Rice Farming Income Stabilization Program, which began in 1998, is a major example of the new commodity policies. Rice farmers receive some compensation if market prices fall below a "standard" price, calculated as the average market price of the preceding 3-year period. In the event of below-average prices, producers can collect 80 percent of the difference between the current-year price and the standard price, multiplied by the farmer's current-year production. Payment comes from the Rice Farming Income Stabilization Fund, supported by contributions from participating farmers (2 percent of the standard rice price per unit of the farmer's output) and the government (6 percent of the standard rice price per unit of total domestic production) each year. Participation in the Income Stabilization Program is voluntary.

Because rice surpluses are a chronic problem, production-limiting rice diversion programs have a long history in Japan. Farmers choosing to participate in the Rice Farming Income Stabilization Program are required to participate in the Rice Supply-Demand Stabilization Program, which diverts some of their land

Economic Research Service/USDA

away from rice. Japan asserts that the program linkage between government assistance and limitations on rice production puts rice policy into the WTO "blue-box" category—i.e., the programs are exempt from domestic support limits because they involve limits on production. Some rice farmers with efficient operations have chosen not to participate in the rice programs because they do not wish to divert any land from rice production or to contribute to the rice fund.

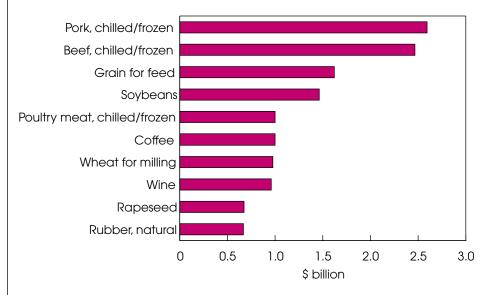
Diversion can be to crops, fruit trees, vegetables, or fodder, or to conservation (fallow status) or other uses (e.g., landscape enhancement). Government payments per hectare (revised annually) vary according to the use made of diverted land and reflect government preferences for growing alternative commodities.

A farmer could divert a rice field to another crop, receive revenue from selling that crop plus the diversion payment, and still participate in the income stabilization program to receive payments from rice farming on other fields. Surpluses are also a problem for milk, fruits, and vegetables at times, and programs for those commodities include setting maximums for production and rewarding farmers who limit production.

For other commodities, the concern is declining production, not overproduction. For example, the new soybean program that was introduced in 2000 works like the rice income program described above, but has no requirement to limit or divert soybean area. Instead, diversion from rice to soybeans is encouraged. Farmers participating in the Soybean Farming Stabilization Program receive compensation for 80 percent of a price drop when prices fall below the standard price. Annual payments into the Fund are 3 percent of the standard price from farmers and 9 percent of the standard price from the government. And farmers growing soybeans on a diverted rice field also get a direct payment from the diversion program for not planting rice. The same type of income program is to be introduced for wheat.

The new income stabilization programs for rice and soybeans are typical of most policies for agricultural commodities in

Pork and Beef Are Japan's Leading Agricultural Imports



Annual average value of top 10 agricultural imports, 1997-99. Economic Research Service, USDA

Japan. The programs rely more on competitive market pricing than did Japan's old policies. For example, the old soybean deficiency payment was based on a fixed target price based partly on estimates of average costs of production. The program paid 100 percent of the difference between the target price and the actual market price received, so farmers had no strong incentive to raise quality or to produce for a niche market.

Under the new system, farmers participating in the income stabilization program get only 80 percent of the calculated price differential and thus bear a 20-percent share of the risk of revenue loss from a drop in prices. Because the standard price is an average of previous actual market prices rather than a support price based on costs, farmers today have a greater incentive to keep costs low and to achieve high sales prices—e.g., through their choice of product mix or through development of a marketing strategy.

For other agricultural products, administered prices set by the government were intended to guide market prices, and the government sometimes stepped in to buy up output when market prices fell below a designated level, raising prices to buyers as well as to sellers. In theory, Japan's

commodity markets are supposed to see less of this intervention in the future.

Changes in Japan's Import Policies

Japan has an extensive set of trade policies to regulate imports of agricultural commodities. When the Uruguay Round Agreement on Agriculture (URAA) was ratified, Japan agreed to replace quantitative restrictions with tariffs and tariff-rate quotas (except for rice), and to reduce the level of protection afforded by the tariffs and quotas during 1995-2000. Since the URAA went into effect, Japan has made further changes in its trade rules, including:

- a reduced role for the Food Agency, the state-trading arm of the Ministry of Agriculture, Forestry, and Fisheries;
- establishment of a tariff-rate quota for rice:
- extensive use of URAA safeguard mechanisms to raise tariffs; and
- reduction of phytosanitary barriers against some horticultural imports.

Domestic wheat production is now sold in private-sector transactions instead of being sold to the Food Agency. Imports of

Policies Affecting Imports and Production of Major Agricultural Commodities in Japan

| | | | Trade p | olicy | | |
|----------------------|------------|--------------------|--------------------------|---------------------|---------|--------------|
| | | | | | Maximum | |
| | Total | Tariff-rate | Tariff or | Over-quota | price | Average |
| | imports | quota ¹ | within-quota tariff | tariff ² | markup | import price |
| | 1,000 tons | 1,000 tons | Percent | Yen/kg | Yen/kg | Yen/kg |
| Rice ³ | 693 | 682 | 0 | 341 | 292 | 43 |
| Wheat ^{3,4} | 5,900 | 5,740 | 0 | 55 | 53 | 19 |
| Barley ⁵ | 1,600 | 1,369 | 0 | 39 | 34 | 16 |
| Corn ⁵ | | Customs | Higher of | | | |
| | 16,000 | supervision | 50% or 12 yen/kg | | | 13 |
| Sorghum | 2,100 | None | 3 | | | 12 |
| Soybeans | 4,750 | None | 0 | | | 27 |
| Rapeseed | 2,100 | None | 0 | | | 25 |
| Beef | 1,000 | None | 38.5 | | | 388 |
| Pork | 880 | None | 4.3% + duty ⁶ | | | 530 |
| Poultry meat | 550 | None | 8.5-11.9 | | | 170 |
| Milk | 0 | Quota ⁷ | 25 | 114 + 21.3% tariff | | 600 |
| Sugar ⁸ | 1,573 | Gov't purchase | 0 | | | 21 |
| Peanuts | 100 | 75 | 10 | 617 | | 108 |

| | | | Domestic | policy | | |
|---------------|---------------------|-------------------|---------------|------------------------------------|--------------------------------|-----------------------------------|
| | Total production | Producer quota | Diverted area | Income stabilization program | Paid diversion from rice | Self- sufficiency ⁹ |
| | 1,000 tons | 1,000 tons | 1,000 ha | | | Percent |
| Rice | 8,636 | | 1,063 | Yes | | 93 |
| Wheat | 600 | | | Yes | Yes | 9 |
| Barley | 160 | | | Yes | Yes | 9 |
| Corn | 1 | | | No | No | 0 |
| Sorghum | 0 | | | No | No | 0 |
| Soybeans | 190 | | | Yes | Yes | 4 |
| Rapeseed | 1 | | | Yes | No | 0 |
| Beef | 534 | | | Yes | | 35 |
| Pork | 1,270 | | | Yes | | 59 |
| Poultry meat | 1,160 | | | | | 68 |
| All milk | 8,500 | | | Yes | | 100 |
| Manufacturing | | 2,270 | | | | |
| Sugar | 795 | | | Yes | No | 34 |
| Peanuts | 27 | | | | No | 21 |

2000 data. Yen/US\$ = \$107.42.

Economic Research Service, USDA

^{1.} Within the tariff-rate quota, the simultaneous buy-sell (SBS) quota is 120,000 tons for rice, 120,000 for wheat, and 600,000 for barley. 2. The government in general has waived the over-quota tariff. 3. Rice, wheat, and barley imports under quota are subject to decisions of the state trading organization. 4. Actual wheat markup is 25 yen/kg (the cif import price minus the resale price for nonfeed-use wheat). 5. In practice, corn is imported with no tariff. Customs supervision limits the amount available for the sweetener industry. 6. If the pork import unit price is below a government-set standard import price (482 yen/kg for pork cuts), duty is charged to make up the difference. 7. Fluid milk is included in a general quota for several dairy products. 8. Sugar imports must be sold to a government agency, which resells to private firms at a higher price. 9. Production divided by the sum of production and imports.

Japan's Pork-Sector Policies

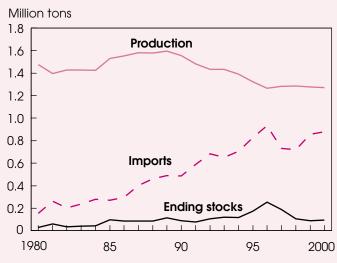
Japan's pork market illustrates the role of both import and domestic measures in protecting commodity markets, and also the very rapid restructuring of agriculture that is occurring as market prices decline. Japan's pork imports—the world's largest—grew steadily until 1997, replacing domestic production. Since then, production declines in Japan have been insignificant and imports have been erratic.

Probably the key factor in shifting import levels is that Taiwan, once the largest source of Japan's pork imports, has been absent from the trade arena since the sudden appearance of foot-and-mouth disease there in 1997 (*AO* October 2000). Imports from Korea ceased in 2000 for the same reason. However, Japan's use of the gate price system, safeguards under the Uruguay Round Agreement on Agriculture (URAA), and programs supporting pork producer revenues have strengthened domestic production at the expense of imports.

Japan's *gate price system* strongly resembles the variable levy on pork that it replaced in 1995. The gate price system is triggered when the actual price of imported pork is below the government-set standard import price. If the unit price of the imported pork (based on the price of a shipping container of meat) is less than the standard import price, the duty charged is equivalent to the differential between them plus the usual 4.3 percent ad valorem tariff. This raises the price of cheaper pork cuts in Japan. To avoid the duty, importers mix cuts of different values in containers until the container's average value is at or above the standard import price. The gate price system distorts trade because traders import cuts that they ordinarily would not buy.

In addition to the Special Safeguards of the main URAA text, Japan negotiated an additional set of safeguards for pork and beef in a side agreement. The pork safeguard is triggered when cumulative quarterly imports rise 19 percent or more over the average import volume during the same period in the previous 3 years. If Japan chooses to invoke the safeguards, it can raise the gate price to any level not exceeding an upper bound specified in its URAA commitment for the remainder of the year (or the first quarter of the following year if the trigger occurs during the fourth quarter), instead of applying the lower gate prices negotiated in the URAA.

Japan's Pork Production Stabilized in the Late 1990s, While Imports Have Been Erratic



Economic Research Service, USDA

Japan invoked both kinds of safeguards at times in 1996 and early 1997. In response, importers stockpiled frozen pork inside and outside Japan, taking it through customs in a quarter when the safeguard did not apply. The surge of frozen stocks avoiding higher duty in place under the safeguard, however, increased the likelihood that import volumes would trigger the safeguard again in the following quarters, launching a cycle that was ended by the sudden withdrawal of Taiwan from the market.

Support for Japan's 11,700 hog farms—down from 36,000 in 1991—is through the Regional Pork Price Stabilization Fund, begun in 1995, which pays farmers the difference between the market price and a floor price that is specific to each prefecture. The market price was below floor prices (\$3.50-\$4.00/kg) in 2000 for about 3 million hogs sold in the first half of 2000, and the fund paid out about \$85 million during the period. Check-off fees from farmers go into the fund, but most support comes from the government.

some rice and of wheat and barley for feed use have been increasingly conducted through a "simultaneous buy and sell" (SBS) process, which allows foreign exporters and domestic buyers to work together to submit bids. The Food Agency chooses bids that provide the highest margin between the import price paid to sellers and the higher (marked up) domestic resale prices charged in Japan, with the Food Agency keeping the markup.

However, the margin cannot exceed the maximum markup levels that Japan agreed to in the URAA.

The list of designated grain suppliers to the Food Agency in its traditional (non-SBS) purchases of rice, wheat, and barley within the quotas has broadened in the 1990s to include foreign-controlled firms. These changes reduce the Food Agency's role in determining what is brought into Japan, and where it comes from.

Japan's rice trade was treated as a special case in the URAA, and Japan did not convert nontariff barriers into an equivalent tariff for rice. Instead, it agreed to implement a quota which was to reach about 8 percent of domestic consumption in 2000 compared with zero in most years before 1995. However, Japan changed its policies

and decided to "tariffy" its rice trade beginning in 1999 (AO April 1999). It established a rice tariff-rate quota and an overquota tariff based on the tariff equivalent of its former nontariff barriers. The overquota tariff is so high that it effectively prohibits additional rice imports, and the change, while ending the special treatment of Japan's rice trade, did not open the door to new trade.

Japan has used the Special Safeguard mechanisms established in the URAA extensively since 1995. They allow a temporary increase in duties to one-third higher than the normal tariff if a surge in import volume or a steep decline in import prices occurs, and if the right to use safeguards had been reserved for a product in the URAA. Japan used such safeguards 28 times in the 5 years prior to April 2000, chiefly for starches, livestock products, and dried legumes.

In addition, Japan negotiated a side agreement to the URAA to establish another kind of safeguard mechanism for its pork and beef markets. At the end of 2000, Japan began proceedings to use measures under the UR Agreement on Safeguards to protect domestic dried shiitake mushroom and welsh onion production. Such safeguard measures could involve imposing a quota on imports for up to 4 years. Japan has announced that other commodities are under consideration for such protection.

Japan's phytosanitary barriers have blocked imports of some vegetables and fruits. After prolonged negotiations, Japan agreed in 1999-2000 to use one set of criteria for all varieties of apples, tomatoes, and nectarines from a given growing region. If phytosanitary acceptance were obtained for a growing regime for one variety in an exporting country or region of a country, it could thus be extended to other varieties from that area, saving time and expense for farmers growing products for export. Despite this advance, Japan's phytosanitary regulations on imported fruit and vegetables remain very stringent and costly to satisfy.

Agriculture in Japan

Overall, agriculture is big business in Japan. In 1998, the latest year of available data, the gross value of agricultural output was \$76 billion. However, much of Japan's agriculture is carried on by relatively small farms with high labor costs. Over 2.5 million households met one of two criteria for commercial farming: selling over \$4,000 of farm output in a year or farming over three-fourths of an acre. In 1998, 11.3 million people—almost 9 percent of Japan's population—resided in households engaged in commercial farming. The large number of farm households reflects the very small scale of landownership in Japan that results in a large number of people with a stake in farming.

Japan's government devotes large sums to supporting agriculture. In 1998, Japan spent over \$82 billion (about 6 percent of national government expenditures) on agriculture, in such projects as improving irrigation, reshaping fields, building processing plants, and providing production subsidies. On average, Japan's consumers spend considerably more on food than U.S. consumers and the food share of living expenditures is larger—18 percent in Japan in 1994 vs. 8-10 percent in the U.S. The Organization for Economic Cooperation and Development (OECD) estimates that in 1999, consumers spent an extra \$68 billion (about 1.5 percent of GDP) as a result of just some of Japan's agricultural policies.

Implications of The New Policies

Japan is the world's largest importer (by value) of pork, beef, corn, and a number of other commodities. Imports of eight commodities—pork, beef, corn, soybeans, poultry meat, coffee, wheat, and wine—each averaged near \$1 billion or more per year during 1997-99. Japan is also the largest export destination for U.S. agricultural products—a \$9-billion market in 2000.

The condition of Japan's domestic agricultural production is of interest to many suppliers in global commodity markets. Consumption of basic commodities in Japan is relatively stable and not likely to grow in the future because of a population growth rate near zero and the lower food needs of an aging population. In general, increases in imports of basic commodities into Japan will occur only if Japan's production decreases. The current structure of production survives in the shelter of government policies.

Japan's policies are aimed at making farms more efficient in order to preserve the existing level of agricultural production. Together with heavy support for farm consolidation, mechanization, and efficient packing, distribution, processing, and marketing, the new commodity programs encourage a smaller number of professional farmers to compete against imports in satisfying Japanese consumers. To the extent that this new set of programs succeeds, imports will not grow.

The new programs face severe hurdles. Market prices have been declining in Japan for most years in the last decade. Participating farmers will be compensated for 80 percent of a drop from previous years' average prices for many commodities. Competition from imports and from more efficient Japanese farmers not participating in the stabilization schemes will be intense. Unless farmers receive additional forms of support, so much land may exit farming that output will fall. Japan has already begun direct per-hectare payments to farmers in mountainous areas where consolidation is difficult, basing payments on multifunctionality arguments. Spending on the program in 2000, the first year, was over \$300 million.

Although Japan's federal and local governments spend more in support of agriculture than the gross value of agricultural output, Japan's spending to maintain production is constrained by WTO rules. In formulating its new policies, Japan seeks to move its policies out of the "amber box" of policies that are subject to reduction because they distort trade, and to develop policies that fit in the "blue" or "green" boxes. Unlike blue box policies,

green box policies are not tied to current production or price of a commodity.

Japan's URAA commitment to cut amberbox spending involved scaling back programs that set administered prices for domestic output. These prices were usually high enough to cover most farmers' costs, and the government managed some markets to make consumers bear the costs. Now, administered prices have been eliminated, but two related questions are still not answered:

- How will the WTO classify the new policies under existing rules—i.e., amber, blue, or green box?
- How will the new policies fit within a set of international rules that might emerge in ongoing WTO negotiations over a new agreement on agricultural trade?

Japan's proposal for the WTO negotiations includes calls to allow policies to maintain domestic food production for

food security and for functions other than efficient food production. Japan favors retention of the WTO blue box category and expansion of the green box category to accommodate such policies. Japan did not have policies that fit in the blue box at the time the URAA was ratified, but in its February 2001 notification to the WTO, Japan contended that its new rice programs belong in the blue box (beginning with the 1998 crop) and thus expenditures are exempt from reduction. However, many other countries are calling for elimination of the blue box category in the future. Within and outside Japan, the actual operation of the new policies, their impacts on production and trade, and their interaction with Japan's negotiating position will be watched with interest. AO

John Dyck (202) 694-5221 jdyck@ers.usda.gov

Based in part on reports from the USDA Foreign Agricultural Service office in Tokyo, Japan.

Upcoming Reports—USDA's Economic Research Service

The following reports are issued electronically at 3 p.m. (ET) unless otherwise indicated.

April

- 5 Tobacco
- 10 World Agricultural Supply& Demand (8:30 a.m.)
- 11 Cotton and Wool Outlook (4 p.m.)** Oil Crops Outlook (4 p.m.)** Rice Outlook (4 p.m.)**
- 12 Wheat Outlook (9 a.m.)**
- 18 Agricultural Outlook*
- 19 Vegetables and Specialties
- 24 U.S. Agricultural Trade Update
- 25 Feed Vearbook Livestock, Dairy, and Poultry (4 p.m.)**

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Recommendations of the Commission on 21st Century Production Agriculture

Debate on the future direction of U.S. farm policy is underway. This is the first in a series of articles on current farm policy topics. It describes the recommendations of a commission established under the 1996 Farm Act. In upcoming issues, AO will address other policy proposals and will examine how current farm policy is affecting the agricultural sector.

he Commission on 21st Century Production Agriculture, whose final report was released on January 31, 2001, was charged in the 1996 Farm Act with developing recommendations for legislation to "achieve the appropriate future relationship of the Federal government with production agriculture." In its report, Directions for Future Farm Policy: The Role of Government in Support of Production Agriculture, the Commission outlined four goals for U.S. agricultural policy, based on testimony gathered at a series of listening sessions:

 production of an abundant supply of high-quality agricultural products at reasonable prices;

- maintenance of a prosperous and productive economic climate for the farmer producers;
- maintenance of the family farm organization as a dominant part of the production system;
- realization of a high quality of life for all individuals living in rural areas.

The Commission concluded that the government should pursue policies and programs promoting nine key outcomes:

- ensure a competitive agricultural economy through monitoring of concentration, enforcement of antitrust laws and related regulatory authority, ensuring transparency of market behavior, including contracting;
- develop policies and programs that enhance the competitiveness of U.S. agricultural products, reduce trade barriers, open markets, and enhance the ability of producers to maximize valueadded opportunities;
- base all policy on sound science and insist that foreign competitors do likewise;

- promote and enhance food safety and a clean environment;
- promote and enhance animal and plant health and safety;
- provide support for agricultural research and education;
- enhance the development and use of risk management tools;
- develop and fund programs that meet the special needs of small and limitedresource farmers;
- provide an effective and adequate income safety net for farmers, with minimal market distortion.

In pursuit of these key concepts, the Commission recommended specific legislative approaches in the areas of assuring an income safety net for producers, enhancing risk management options, supporting conservation and environmentally beneficial practices, improving agricultural trade opportunities, revising individual commodity policies, and assisting small and limited-resource farms.

Assuring an Income Safety Net For Producers

The Commission's proposals for an income safety net endorsed the idea of countercyclical payments to producers at times of low prices, in place of ad hoc emergency spending. At the same time, the Commission recommended the continuation of planting flexibility as introduced by the 1996 Farm Act. The recommendations specified a two-part system of payments: 1) continuation of the current Agricultural Market Transition Act (AMTA) payments at baseline allocations of about \$4 billion per year, and 2) development of a Supplemental Income Support (SIS) program.

Although the Commission left the details of the SIS program to congressional debate, it made several suggestions for program design. Payments should be triggered when, due to either production or price disasters, farmers' national or regional aggregate gross income from program crops (wheat, corn, soybeans, sorghum, rice, upland cotton, oats, and barley) fails to meet a set percentage of an historical average based on a fixed-base reference period. As with current AMTA

payments, eligibility would be based on historical production levels of program crops during the reference period. Because the program would be "decoupled" from current prices and yields for specific commodities, the Commission believes it could be defined as a "green box" payment (i.e., minimal effects on trade) under current World Trade Organization (WTO) commitments, exempting it from WTO disciplines limiting domestic support.

The Commission acknowledged potential difficulties with such a plan and a number of possible alternative approaches that Congress might consider in determining income averages, payment triggers, eligibility, and payment levels. For example, using a national-level aggregate income could lead to cases in which the national trigger level for SIS payments is not reached, even though particular localities or crops produce average incomes below the trigger. Use of an aggregate income measure for a region or crop area could address this problem. Another difficulty may be choosing the appropriate reference period on which to base the trigger; the implications of various fixed-base periods require analysis, and a moving average may also need to be considered. Other difficulties include determining the appropriate percentage of average income to be compensated, whether the aggregate measure of income should be based on gross crop income or net cash income, and whether the mix of program crops should be extended to include other commodities.

In addition to maintaining the base AMTA payments and developing a SIS program, the Commission recommended continuing the marketing assistance loan program, with both loan deficiency payments and marketing loan gains. While suggesting that any increases in loan rates could lead to market distortions, the Commission did recommend ending limits on payments and rebalancing the loan rates to better reflect historical market prices.

Enhancing Risk Management Options

The Commission noted that a wide array of risk management tools were available to U.S. producers, including planting flexibility, diversification, production and

marketing contracts, hedging and futures options contracts, labor outsourcing and input leasing, vertical integration, altering production and cultural practices, and off-farm income. The recommendations, however, focused on only two categories of risk management: insurance policies and savings account programs.

In the area of crop and revenue insurance, the Commission called for a study of the possibility of making these programs actuarially sound and based on products provided by private companies, with the Federal government no longer underwriting insurance company risk, but rather providing vouchers for producers that offset their premium costs. In making this recommendation, the Commission expressed concerns about the effect of current crop insurance programs on farmland rental rates, the level of loss acceptance by insurers in areas with high loss ratios, the inducement by crop insurance to continue production on marginal lands, the effect of crop insurance provisions on planting decisions, and the fiscal accountability of the insurance industry.

The recommendations specified a two-part system of payments to producers: continuation of the current Agricultural Market Transition payments and a Supplemental Income Support program.

Among alternative savings account proposals currently under discussion, the Commission favored the Farm and Ranch Risk Management (FARRM) account. Producers who owe Federal tax on a positive net farm income would be permitted to deposit 20 percent of that net farm income into an interest-bearing savings account. Interest on the account would be taxed annually, but the principal would be taxed only on withdrawal. Although previous FARRM account proposals have limited to 5 years the time deposits may remain in the account, the Commission recommended no time limit be included so that the accounts could function both as cash reserves and as retirement savings.

Supporting Conservation & Conservation Practices

The Commission focused its attention on two conservation programs—the Conservation Reserve Program (CRP) and several conservation cost-share programs. Citing significant reductions in average erosion rates since 1986 under the CRP, the Commission recommended its continuation. To enhance benefits to water quality, it further recommended dedicating any increases in program acreage to partial field enrollments along riparian areas, such as buffer strips, filter strips, wetlands, and grass waterways.

Among conservation cost-share programs, the Commission recommended particularly the continuation of the Environmental Quality Incentives Program (EQIP), which provides incentive payments and cost sharing under a 5- to 10-year contract for conservation practices outlined in a site-specific plan. Producers may enroll cropland, rangeland, pasture, and forestland, but 50 percent of the program is dedicated to conservation practices on livestock operations. Payments are limited to \$10,000 per person per year and \$50,000 over the length of the contract. To enhance the value of EQIP, the Commission recommended it be funded at the \$200 million annually authorized in the 1996 Farm Act, with additional funds dedicated to administration of the program by UDSA's Natural Resources Conservation Service (NRCS). Program levels have been limited to \$174 million in fiscal years 1999, 2000, and 2001.

The Commission further recommended that research be conducted on ways to provide incentive payments to farmers for the positive contributions of agricultural practices to air and water quality—practices which might include alternative fuels, manure management, and carbon sequestration.

Improving Agricultural Trade Opportunities

Addressing trade, the Commission endorsed the U.S. position presented to the WTO in June 2000, particularly the commitment to a comprehensive negotiation of all economic sectors, including comprehensive negotiation of issues with-

in the agricultural sector. The agricultural sector issues include tariffs and tariff-rate quotas; import and export state trading enterprises; new technologies; export subsidies, taxes, and credit programs; domestic support to agriculture; and treatment of developing countries. The Commission further recommended granting trade negotiating authority to the President, noting that, except for the recent lapse in the 1990s, such an authority has been in place since 1934.

The Commission recognized the impact of government policy on the success of small family farms, recommending that programs be designed specifically for small and limited-resource farms.

Finally, the Commission expressed its belief that negotiations over environmental and labor standards are better handled through the United Nations Environment Program and the International Labor Organization than through the WTO.

Revising Individual Commodity Policies

The Commission considered four commodities—dairy, peanuts, sugar, and tobacco—unique enough to warrant review and recommendations regarding their individual programs.

Dairy policy, according to the Commission, must address the issues of Federal marketing orders, dairy compacts, Federal price support, and international market opportunities and challenges. Milk marketing orders require simplification and greater transparency, even after implementation of reforms required by the 1996 Farm Act. Regional dairy compacts have attracted increasing interest as a means of raising minimum price levels. The Federal price support program has been extended annually, despite its scheduled elimination in 1999. And dairy import controls and export enhancements continue to face scrutiny in trade negotiations.

The Commission recommended examination of several dairy policy options that might help curb expansion of milk production and reduce dependence on regional support strategies in the face of new technologies facilitating national and international milk marketing. Among these options are 1) alternative price support mechanisms, including the possibility of a marketing loan program for dairy products; 2) some form of direct payment for dairy producers; 3) supply controls; 4) forward contracting options; 5) extension of dairy compacts beyond the current regional models; and 6) revenue and gross margin insurance options.

In the view of the Commission, *peanut* producers face pressures from expanding trade commitments and from falling domestic demand. Current peanut policy keeps the U.S. domestic peanut price higher than the world price through a system of marketing quotas and price supports. Critics have voiced concern about production and consumption inefficiencies created by this policy. The Commission recommended examination of several policy options that might continue support for the domestic peanut industry while stimulating stronger demand and competition: 1) phased reduction of the peanut quota system, including compensating current quota holders and allowing sale or lease of quotas across state lines; 2) subsidies to manufacturers for purchase of domestic peanuts, similar to the Cotton Step 2 program; 3) a peanut marketing loan; 4) a direct payment program for peanut quota holders; and 5) incentives to increase competition in the industry.

The Commission recommended reconsideration of sugar policy in view of rising stocks and slowing demand growth. The program supports producers through a system of nonrecourse loans that act as a guarantee of minimum price levels for beet and cane sugar. Sugar is imported at a minimum annual level through a lowduty tariff-rate quota allocated among importing countries, with additional

access granted to Mexican sugar through the North American Free Trade Agreement (NAFTA). Increasing domestic production, the result of acreage expansion and yield improvements, and increasing access for imports, the result of recent trade commitments, has led to downward pressure on prices and forfeitures under the nonrecourse loan program.

To avoid the likelihood of continued stress from increasing supplies on producers and the sugar program, the Commission suggested evaluating a series of alternative policies, individually or in combination:
1) a sugar marketing loan program; 2) domestic marketing and/or production controls; and 3) a direct payment program for producers. The Commission stressed that these alternatives should be considered within the context of international sugar trade commitments.

The Commission called for rethinking tobacco policy because of rapidly changing domestic conditions and increasing foreign competition. The current policy is based on a system of marketing quotas that allot a portion of annually determined tobacco demand to growers owning or renting eligible land. The program also provides nonrecourse loans that support prices for tobacco grown under quota at an annually determined loan rate. Increased international competition from higher imports under negotiated tariff-rate quotas and reduced export demand are dampening demand for domestic tobacco leaf. At the same time, domestic cigarette consumption is being affected by the settlement between the tobacco industry and state's attorneys general over health care costs for tobacco-related illnesses. Tobacco-use control programs funded through the settlement are expected to reduce demand, and tobacco producing states are eligible for funding from the cigarette industry to compensate tobacco farmers and quota holders for anticipated losses from reduced demand.

- To review the full report of the **Commission on 21**st **Century Production Agriculture**
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Given the complicated future of tobacco production and tobacco programs, and the attention being paid to tobacco issues by a number of other entities, the Commission decided only to suggest possible program changes for consideration by other groups charged with examining these issues, rather than making a formal recommendation. The suggestions include 1) increasing transferability of quotas, particularly across county or state borders; 2) a phaseout of the marketing quota program through a buyout; and 3) a marketing loan program for tobacco that could increase export competitiveness by allowing domestic prices to fall.

Assisting Small & Limited-Resource Farms

The Commission acknowledged the value of small family farms as agricultural producers and as significant components of rural communities. It further recognized the impact of government policy on the success of small family farms, recommending programs be designed specifically for small and limited-resource farms. To that end, the Commission recommended that the USDA Small Farms Advisory Committee, successor to the National Commission on Small Farms, receive formal authorization as part of USDA, with permanent staff and funding.

Although deferring to the Small Farms Advisory Committee as the lead group in designing programs for small and limited-resource farmers, the Commission recommended four areas for consideration: 1) assistance for beginning farmers, 2) conservation-based safety net programs, 3) risk management programs, and 4) programs to enhance small-farm competitive-

ness. The Commission suggested that a program of matching grants might allow beginning farmers to become established without taking on burdensome debt. Programs could also be devised to encourage established farmers to assist beginning farmers. Conservation safety net programs could include enhanced technical assistance and timely reimbursement to small and limited-resource farms to establish conservation practices, perhaps with higher cost-share levels for installation of required conservation and environmental practices. Small farms might also be targeted for participation in the conservation and wetland reserve programs or for special programs to preserve green space and viewsheds.

Risk management programs for small farms might include targeting pilot insurance programs to small and limitedresource producers for crops previously not covered and providing specialized educational programs addressing use of sustainable agricultural practices to manage risk. The Commission suggested fully funding already authorized programs intended to enhance small and limitedresource farm competitiveness, such as the Outreach and Technical Assistance Program for Socially Disadvantaged and Minority Farmers (2501) program and farm ownership and operating loan programs. It also suggested increasing appropriations for the Sustainable Agriculture Research and Education (SARE) program and the Rural Technology and Cooperative Development Center Grant program, and providing financial assistance to develop small-producer cooperatives.

As a way of identifying small and limitedresource farms in need of special assistance, the Commission also supported establishment of a voluntary minority small farms registry.

Minority Views Diverge

Not all commissioners shared the majority views presented in the Commission's report. Minority views in the areas of Farm Income Support Policy, Agricultural Trade Policy, and Antitrust and Industry Concentration appear within the main report. These dissents represent essentially two viewpoints that diverged from the majority report in opposite directions. One side cautioned against moving away from a fundamentally market-oriented policy and recommended maintaining programs primarily to provide catastrophic risk protection, to help farmers make the transition to more profitable sizes or enterprises, and to focus on environmental stewardship. The other side called for production-based safety net programs with benefits targeted to family-scale operations, voluntary supply management, expanded land retirement for conservation, trade reforms that consider the needs of domestic agricultural production and consumers, and revitalization of antitrust policies and enforcement.

Further details of these minority views will be presented next month in an article on the diversity of current farm policy proposals, the second in this series on current farm policy topics.

Contacts: Edwin Young (202) 694-5336 and Anne Effland (202) 694-5319 ceyoung@ers.usda.gov aeffland@ers.usda.gov

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Smart Growth: Implications for Agriculture in Urban Fringe Areas

The last two decades have witnessed increased state-level involvement in growth management to counter the negative impacts of land development. Recently, several states have begun shifting from state-imposed requirements for local compliance with state planning goals toward incentive-based, voluntary mechanisms known as "smart growth" strategies. Although still in their infancy, smart growth strategies are becoming increasingly widespread, with implications for agriculture in urban fringe areas.

Local governments have been delegated authority for land use planning and zoning in all 50 states, and historically have relied upon zoning regulations and subdivision requirements that date back to the 1920's to manage the character and density of new development. During the 1970's, local and state governments in rapidly urbanizing areas recognized that these traditional techniques for controlling land use were inadequate in influencing the character of growth-namely, in preventing "sprawl" development. Local officials also learned that a popular land use tool, assessing farmland at its use value for property tax purposes, was contributing little to slowing losses of farmland to developed uses. Need for more effective

techniques spurred state interest in adopting new approaches.

What is Smart Growth?

"Smart growth" is a catch-all phrase to describe a number of land use policies to influence the pattern and density of new development. Smart growth principles favor:

- locating new development in center cities and older suburbs rather than in fringe areas;
- supporting mass transit and pedestrianfriendly development;
- encouraging mixed-use development (e.g., housing, retail, industrial); and
- preserving farmland, open space, and environmental resources.

Smart growth directs development to designated areas (cities and older suburbs) through incentives and disincentives, without actually prohibiting development outside them or threatening individual property rights.

States implementing smart growth strategies look at overall growth and attempt to marshal the state's resources to direct growth. Smart growth strategies generally

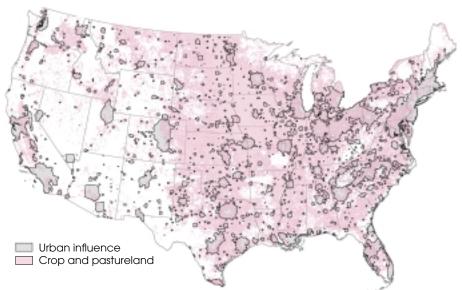
receive a broad spectrum of support because they include incentives for voluntary adoption and usually involve a variety of stakeholders in the planning process (e.g., multiple levels of government, nongovernment organizations, and special interest groups).

Specific smart growth strategies vary by location but often share common elements. Three strategies in particular could have important implications for local agriculture: concentrating growth in selected areas, coordination of transportation infrastructure to support growth, and permanently preserving farmland.

A centerpiece of smart growth legislation is the designation of urban growth boundaries or growth areas. States will typically remove state-level financial incentives (including Federal incentives controlled by the state) that directly or indirectly encourage development outside growth areas and will instead concentrate these incentives within growth areas. Incentives include state funding for infrastructure, economic development, housing, and other programs. At the same time, states will remove barriers that hinder higher density development within existing urbanized areas. Although states may specify minimum requirements for designating growth areas (e.g., only areas currently or expected to be served by water and sewer systems within a given number of years may qualify), it is local governments that define the actual boundaries, particularly where future developments are planned.

States coordinate transportation investments with development by prioritizing funding for transportation infrastructure within designated urban growth areas. States also favor investments in upgrades to existing transportation routes and in funding for mass transit alternatives to reduce the need for automobile travel rather than investments that contribute to new roads. Also, minimizing the number of ramps for access to highways that connect growth areas helps reduce pressure to develop land adjacent to an expanded road system. Similarly, the Federal government coordinates infrastructure investment with state and local government to minimize adverse development impacts.

Crop and Pastureland Is Subject to Urban Influence in Much of the Eastern U.S.



Areas of urban influence are identified using the USDA/ERS index of urban influence based on proximity to a population center and its size.

Source: U.S. Geological Survey LUDA database and 1990 Census of Population.

Economic Research Service, USDA

Establishing programs to preserve farmland and environmental resources complements urban growth areas and is expected to help maintain a viable local farm economy. These programs separate the right to develop land from the right to own and use land. Landowners may voluntarily agree to sell their development rights 1) to the government through a purchase of development rights (PDR) program (permanently retiring the development rights), or 2) to developers through a transfer of development rights (TDR) program (allowing developers to build on other land in certain county-designated areas at higher densities than allowed by the underlying zoning).

When development rights are sold through a PDR or TDR program, landowners retain ownership and use of the land, but are restricted from developing it or using it for nonfarm commercial activity. Even though the land remains private and is not accessible to the public, residents of urbanizing areas are in large part willing to support spending for these programs because farmland provides scenic views, open space, and environmental amenities.

Agriculture in Metropolitan Areas

Farmland owners most likely to experience the effects of smart growth legislation are those in close proximity to existing population centers or planned growth areas. Combining Census of Population data on population density and daily commuting patterns with a measure of urban influence developed by USDA's Economic Research Service (ERS), ERS researchers identified regions subject to the pressures of urbanization. Urban influence increases with proximity of the land to populated areas and with the size of the population. Areas within the regions may be subject to low, medium, or high degrees of urban influence. Of 3,077 U.S. counties, 1,062 have land subject to some degree of urban influence. Many of these counties also contain significant amounts of crop and pastureland.

Farms in metro areas are an increasingly important component of U.S. agriculture in terms of their numbers. A Metropolitan Statistical Area (MSA), as defined by the Office of Management and Budget, includes a core county (or counties) that either 1) contains a city of 50,000 or more

people, or 2) contains an urbanized area of 50,000 or more and total area population of at least 100,000. Additional contiguous counties are included in the MSA if they are economically integrated with the core county or counties.

Data from the 1997 Census of Agriculture indicate that one-third of all farms are located in metro areas and that they control 39 percent of farm assets. Agriculture in metro areas includes a relatively large group of farmers who operate small-scale farms and earn a large share of household income from off-farm sources; a smaller group of farmers who are more focused on high-value production (e.g., fresh fruits and vegetables); and a residual group of larger scale livestock and crop farmers. Metro area farms tend to be smaller, on average, than farms in rural areas, and most U.S. farmland operated in 1997—82 percent—was located outside metropolitan areas.

Implications for Agriculture

Farmland owners in urbanizing areas are making land use and production decisions against the backdrop of a changing landscape and economic environment. In urban fringe areas, significant population growth can arise from immigration or from relocation from cities. Coupled with rising incomes and land values, population growth can lead to rapid increases in demand for developable land. This can also increase demand for agricultural products to meet urban needs (e.g., nursery or greenhouse products and locally grown fresh produce). A farmer may adapt to the pressure by switching to higher value production enterprises or may sell the farm for development as the costs of forgoing this opportunity rise. Because farm real estate dominates total farm assets and land values are a factor in land use changes, one of the greatest impacts of smart growth policies on local agriculture will be the effects on farmland values.

In understanding the effect of smart growth policies on agriculture in states that have adopted or plan to adopt smart growth strategies, an underlying question is "How do the new or proposed smart growth policies differ from existing policies?" This is particularly important since

land use authority remains vested in local, not state, governments. If smart growth policies are primarily a repackaging of existing policies, or if incentives to adopt new strategies are insufficient, responses of developers, landowners, and local governments may be minimal.

For example, if removing state funding for projects outside growth areas results in little additional cost to developers, they have little incentive to redirect their development plans. In this case, local farmland owners may experience little change in the high rate of appreciation of land values, pressures to convert land, and incentives to switch enterprises. However, if the relative cost of building outside the boundaries is large enough to deter projects there, developers are more likely to focus their demand for land inside growth areas. This might be accomplished through additional local impact fees imposed to offset infrastructure costs associated with new development outside growth areas.

Assuming smart growth policies represent a significant departure from the status quo, effects on farming operations will depend partly on their location relative to growth areas. Outside growth areas, as development becomes relatively more expensive due to the redirecting of state infrastructure funding, demand for developable land is likely to decline. This in turn is likely to dampen the growth of agricultural land values, to slow the conversion of agricultural land outside growth areas, and to minimize additional (but not existing) road congestion on secondary roads as well as problems stemming from proximity to nonfarm neighbors (e.g., trespassing and nuisance complaints). Conversely, agricultural land values within growth areas are likely to rise more rapidly—and the conversion dates to occur sooner-in response to the increased demand for developable land.

In addition to changing the relative cost of developing outside vs. within growth areas, smart growth policies have the potential to affect agricultural land values by altering developers' and farmland owners' expectations about where local governments are likely to approve new development. Any change in local government policies in response to smart growth legis-

lation could affect perceptions about the ease (or difficulty) of obtaining variances or zoning changes to allow more development within or outside growth areas. Landowners and developers will also form expectations—reflected in land values—about the location of local government projects that occur without state funding and that stimulate demand for housing, commercial, or industrial uses.

Establishing growth areas may benefit the local agricultural economy if landowners outside the boundaries keep land in a productive agricultural use and can gain added income by marketing their output to the urbanized areas. However, not all farmland owners will welcome policies that reduce development pressures—e.g., farmers who view their investment in land and its appreciation in value over time as their "retirement fund." These farmers may not benefit financially from smart growth policies unless their land is located within an existing or planned growth area.

Despite smart growth policies, substantial development can still occur at lower densities in outlying rural areas, where allocations of state funding for housing programs are historically minimal. To address this problem, governments may rely on farmland preservation programs to counter losses of local farmland and open space. The American Farmland Trust reports that 19 states already have statelevel farmland preservation programs in place and that 11 of these also have locally sponsored programs. Some of these programs have existed since the 1970's, permanently preserving hundreds or thousands of acres annually.

The most significant effect of these preservation programs on local agriculture is that by restricting development on enrolled parcels, preserved land remains available for farming uses. Also, the use of ranking or bonus schemes in PDR programs gives governments some ability to influence which types of farms and agricultural land are preserved first. This targeting is possible when interest in selling development rights is high and governments operating PDR programs have limited budgets. For example, prioritizing development rights purchases on land that is most threatened with development may

focus preservation on farms specializing in high-value enterprises or small-scale, part-time operations; prioritizing PDR purchases on parcels with important processing facilities or prime soils for row crops may focus on acreage in larger crop and livestock operations.

Because the sale of development rights essentially removes the development potential from enrolled parcels, preservation program administrators expect that land values of these parcels will be lower than land values of unrestricted parcels. This is expected to benefit the local farm economy because it can reduce land acquisition costs for new farm entrants.

However, buyers of preserved land who are part-time farmers with substantial nonfarm income and sufficient financial resources may outbid full-time farmers for the land, beyond its farm use value. A study of preserved farmland values in Maryland suggests the downward price effect may not be as significant as hoped. Programs that specify a minimum acreage requirement may limit upward price pressures (e.g., requiring parcels to be at least 100 acres) if they do not also permit subdivision into smaller (e.g., 25-acre) parcels.

Farmland preservation programs also have important implications for landowners. Current landowners who might otherwise sell the entire farm for development now have the option to sell only the development rights through a PDR or TDR program and to sell the land itself in a separate transaction—minus the development potential. For landowners who stay in farming, the ability to liquidate part of their investment in farm real estate, i.e., the development rights, provides a means for paying down farm debt or financing farm operations. It can also ease estate planning and transferring assets to future generations by allowing landowners to liquidate and/or distribute part of the real estate asset and lower the estate tax bill.

Although farmland preservation programs are generally designed to preserve land into perpetuity, enabling legislation often contains an escape clause. For example, a farm may be withdrawn from the program after a specified number of years if the land can no longer be profitably farmed.

Examples of Smart Growth Policies

Urban growth boundaries. Oregon pioneered this strategy in the 1970's to discourage urban sprawl. Oregon's statewide plan mandated the designation of urban growth boundaries within which urban development would take place. Although this policy has not entirely curtailed development outside the boundaries, Oregon is recognized as the most successful in separating rural and urban uses geographically. In Washington state, cities and counties exceeding a certain size or experiencing rapid population increases are required to designate urban growth areas.

Designation of priority funding areas. Maryland requires counties to designate priority areas for receiving state funds. Eligibility is limited to areas meeting guidelines for residential densities, for intended use, and for availability of plans for sewer and water systems.

Coordinating transportation systems and development. In 1998, Tennessee passed a law directing that funding under the Federal Transportation Equity Act for the 21st Century (TEA-21) be reserved exclusively for localities that have growth plans identifying urban growth boundaries for cities, planned growth areas, and rural areas.

Farmland/environmental resource preservation. Maryland is one of several states with a well-established state-level farmland preservation program. In addition, Maryland's 1997 smart growth initiative included the Rural Legacy Program. The program has identified 23 areas where it is focusing

While this may appear to reduce the financial risk of owning restricted-use land for current and future landowners, withdrawal may not be an economically advantageous option if the landowner is required to repay the value of the development rights based on current appraisals.

Permanent preservation of farmland also affects the market value of adjacent land. Some evidence suggests that homebuyers are willing to pay more to live in close proximity to open space, so it is possible that permanent preservation could attract development. This could invite conflict between farmers and nonfarm neighbors that program administrators hope to avoid. The answer to this dilemma may be additional development policies in rural areas, such as requiring clustering of houses and strong right-to-farm laws (e.g., to protect farmers from nuisance suits), which could be coupled with preservation programs.

efforts to preserve large, contiguous blocks of parcels and strategic areas that contain multiple resources of value such as prime farmland and wildlife habitat. Through this program, the state partners with local governments and land trusts (public and private nonprofit) to purchase development rights (called easements) from willing landowners.

Multijurisdictional planning. Wisconsin gives state funding priority to local governments that address the needs of adjacent communities in their development plans instead of just pursuing their own interests.

Brownfields redevelopment. In 1998, New Jersey enacted the Brownfield and Contaminated Site Remediation Act which, in addition to limiting liability for redevelopers, provides financial incentives for remediation and redevelopment of "brownfields"—i.e., areas contaminated with toxic materials. Other states and localities have also developed brownfield programs to facilitate revitalization and redevelopment of land and resources in targeted urban areas.

Neighborhood business development. Consistent with state planning goals, a task force in South Providence, Rhode Island, adopted a program that provides state-funded assistance to new small businesses locating in one of its 10 state-designated enterprise zones. Maryland's program provides income tax credits as incentives for small businesses to locate in its priority funding areas.

States with pre-existing land preservation programs have used new programs established as a part of a smart growth legislative package to further direct preservation efforts to parcels with unique characteristics or in particular locations. States may also partner with the Federal and local governments or land trusts to preserve large blocks of land instead of just individual farms. These programs can result in lands being preserved for agriculture and, if the landowners agree, providing additional restrictions on use that preserve wildlife habitat, ecosystems, or other unique resources.

Smart growth policies have the potential to direct some development toward designated growth areas and to preserve farmland and other environmental resources. However, smart growth policies could represent a "mixed bag" for some landowners.

Clearly defined growth areas could reduce development pressures on farmland and

growth in farmland values outside the boundaries. This could benefit local agriculture by slowing the rate of farmland conversion. But farmland owners outside growth area boundaries may not gain from policies that slow a rise in land values. Nevertheless, an ability to sell development rights would give them an alternative for increasing liquidity (e.g., for servicing debt) without having to sell housing lots or the entire farm.

Farmland preservation programs may benefit the local agricultural economy more directly, but the effects will depend on program eligibility criteria and targeting mechanisms used to prioritize purchases of development rights. The impacts of growth boundaries as well as farmland preservation programs will depend largely on whether farmland remains in an active agricultural use.

Cynthia Nickerson (202) 694-5626 cynthian@ers.usda.gov

Statistical Indicators

Summary Data

Table 1—Key Statistical Indicators of the Food & Fiber Sector

| II | 51 525 26 |
|---|---|
| | 51 25 26 |
| | 51 25 26 |
| | 51 5 25 26 |
| 25 25 23 19 | 25 26 |
| 25 25 23 19 | 25 26 |
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| 171 172 171 171 | |
| 172 173 | |
| 13.5 13.0 10.1 10.1 | |
| | |
| 1,108 11,329 9,105 9,460 | |
| 1,760 1,745 | 1,760 |
| 41.9 43.4 | 41.1 |
| 52.9 54.7 | 54.6 |
| 585.9 1,717.5 370.7 3,169.6 | |
| | |
| 78-79 71-75 | |
| | |
| 75-76 68-72 | |
| 3.20- 12.60- | |
| | |
| 2.01 | |
| | |
| | |
| 1998 1999 | 2000 |
| 974 1,020 606 627 | |
| 137.7 139.4 | |
| 24.0 24.3 | |
| | |
| Un 2 0 200 2 | |
| 3 | 41.9 43.4 52.9 54.7 85.9 1,717.5 70.7 3,169.6 8-79 71-75 1-42 44-46 7-58 57-59 5-76 68-72 3.20- 12.60- 3.40 13.10 3.44 2.01 1998 1999 974 1,020 606 627 37.7 139.4 |

⁻⁻⁼ Not available. Annual and quarterly data for the most recent year contain forecasts. 1. Annual data based on Oct.-Sept. fiscal years ending with year indicated. 2. Sept.-Nov. first quarter; Dec.-Feb. second quarter; Mar.-May third quarter; Jun.-Aug. fourth quarter; Sept.-Aug. annual. Use includes exports and domestic disappearance. 3. Simple averages, Jan.-Dec. 4. As of January 1. 5. Civilian labor force taken from "Monthly Labor Review," Table 18--Annual Data: Employment Status of the Population, Bureau of Labor Statistics, U.S. Department of Labor. 6. The value-added data presented here are consistent with accounting conventions of the National Income and Product Accounts, U.S. Department of Commerce.

U.S. & Foreign Economic Data

| Table 2 | —II S | Gross I | Omestic | Product | & Re | lated Data |
|---------|---------------|---------|------------|----------|------|------------|
| IUDIE 2 | — U.J. | GIU33 I | JULLIESIIC | FIUUUULI | a re | iuieu Duiu |

| Table 2—U.S. Gross Domestic P | roduct & | Related | Data | | 4000 | | | | | |
|--|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| | 1998 | 1999 | 2000 | II | 1999 III | IV | 1 | 2 | 000 III | IV |
| | 1990 | | ons of curre | | | | / adjusted a | | | |
| Gross Domestic Product Gross National Product Personal consumption | 8,790.2 8,750.0 | 9,299.2 9,236.2 | 9,962.7 | 9,191.5 9,181.8 | 9,340.9 9,327.3 | 9,559.7 9,546.3 | 9,752.7 9,745.0 | 9,945.7 9,937.4 | 10,039.4 10,030.5 | 10,112.8 |
| expenditures Durable goods Nondurable goods Food | 5,850.9 693.9 1,707.6 | 6,268.7 761.3 1,845.5 | 6,757.3 820.5 2,009.7 | 6,213.2 756.3 1,825.3 | 6,319.9 767.2 1,860.0 900.4 | 6,446.2 787.6 1,910.2 | 6,621.7 826.3 1,963.9 938.4 | 6,706.3 814.3 1,997.6 | 6,810.8 824.7 2,031.5 | 6,890.4 816.5 2,045.8 966.0 |
| Clothing and shoes Services | 845.8 286.4 3,449.3 | 897.8 307.0 3,661.9 | 953.1 328.3 3,927.2 | 886.6 306.1 3,631.5 | 308.7 3,692.7 | 926.1 311.9 3,748.5 | 323.1 3,831.6 | 948.3 325.6 3,894.4 | 959.9 330.9 3,954.6 | 333.5 4,028.1 |
| Gross private domestic investment Fixed investment Change in private inventories Net exports of goods and services Government consumption expenditures | 1,549.9 1,472.9 77.0 -151.5 | 1,650.1 1,606.8 43.3 -254.0 | 1,832.9 1,777.4 55.5 -371.0 | 1,607.9 1,593.4 14.5 -240.4 | 1,659.1 1,622.4 36.7 -280.5 | 1,723.7 1,651.0 72.7 -299.1 | 1,755.7 1,725.8 29.9 -335.2 | 1,852.6 1,780.5 72.0 -355.4 | 1,869.3 1,803.0 66.4 -389.5 | 1,854.0 1,800.4 53.5 -403.9 |
| and gross investment | 1,540.9 | 1,634.4 | 1,743.4 | 1,610.9 | 1,642.4 | 1,688.8 | 1,710.4 | 1,742.2 | 1,748.8 | 1,772.3 |
| | | | ons of 1996 | | | | | | | |
| Gross Domestic Product Gross National Product Personal consumption | 8,515.7 8,515.1 | 8,875.8 8,868.3 | 9,318.6 | 8,783.2 8,776.7 | 8,905.8 8,895.4 | 9,084.1 9,075.0 | 9,191.8 9,187.7 | 9,318.9 9,313.7 | 9,369.5 9,362.8 | 9,394.2 |
| expenditures Durable goods Nondurable goods Food | 5,678.7 727.3 1,684.8 812.8 | 5,978.8 817.8 1,779.4 845.9 | 6,294.4 896.2 1,868.7 877.3 | 5,940.2 810.5 1,765.0 838.0 | 6,013.8 826.2 1,786.1 846.7 | 6,101.0 851.8 1,818.1 866.0 | 6,213.5 898.2 1,844.8 872.2 | 6,260.6 886.7 1,861.1 876.5 | 6,329.8 903.2 1,882.6 879.1 | 6,373.7 896.7 1,886.4 881.3 |
| Clothing and shoes Services | 292.2 3,269.4 | 318.5 3,390.8 | 345.1 3,544.1 | 316.5 3,373.4 | 322.1 3,411.1 | 322.1 3,443.0 | 337.7 3,487.2 | 342.3 3,526.7 | 350.2 3,559.3 | 349.9 3,603.3 |
| Gross private domestic investment Fixed investment Change in private inventories Net exports of goods and services Government consumption expenditures | 1,566.8 1,485.3 80.2 -221.0 | 1,669.7 1,621.4 45.3 -322.4 | 1,840.4 1,771.3 61.8 -412.7 | 1,623.1 1,607.1 13.1 -314.6 | 1,680.8 1,637.8 39.1 -342.6 | 1,751.6 1,666.6 80.9 -352.5 | 1,773.6 1,730.9 36.6 -376.8 | 1,863.0 1,777.6 78.6 -403.4 | 1,871.1 1,791.3 72.5 -427.7 | 1,853.7 1,785.5 59.5 -442.9 |
| and gross investment | 1,486.4 | 1,536.1 | 1,579.0 | 1,519.9 | 1,537.8 | 1,569.5 | 1,565.1 | 1,583.7 | 1,578.2 | 1,588.9 |
| GDP implicit price deflator (% change) Disposable personal income (\$ bil.) Disposable pers. income (1996 \$ bil.) | 1.3 6,320.0 6,134.1 | 1.5 6,637.7 6,331.0 | 2.0 6,989.3 6,510.6 | 1.4 6,596.3 6,306.6 | 0.9 6,664.5 6,341.7 | 1.3 6,775.0 6,412.2 | 3.3 6,866.5 6,443.1 | 2.4 6,964.9 6,502.0 | 1.6 7,040.9 6,543.7 | 1.9 7,084.7 6,553.4 |
| Per capita disposable pers. income (\$) Per capita disp. pers. income (1996 \$) U.S. resident population plus Armed | 23,359 22,672 | 24,314 23,191 | 25,376 23,638 | 24,196 23,133 | 24,384 23,203 | 24,728 23,404 | 25,014 23,472 | 25,322 23,639 | 25,535 23,732 | 25,633 23,711 |
| Forces overseas (mil.) ² Civilian population (mil.) ² | 270.5 269.0 | 272.9 271.5 | 275.4 273.9 | 272.5 271.1 | 273.2 271.7 | 273.9 272.4 | 274.4 273.0 | 275.0 273.5 | 275.6 274.2 | 276.3 274.9 |
| | 1000 | Annual | 2000 | lon | ۸۰۰۰ | 200 | | Nov | Doo | 2001 |
| | 1998 | 1999 | 2000 | Jan <i>Month</i> | Aug | Sep sonallv adiu | Oct sted | Nov | Dec | Jan |
| Total industrial production (1992=100) Leading economic indicators (1992=100) | 138.2 105.4 | 144.8 108.8 | 153.6 | 149.2 110.6 | 154.6 109.7 | 155.1 109.8 | 154.9 109.4 | 154.0 109.1 | 152.4 108.5 | 152.3 109.4 |
| Civilian employment (mil. persons) ³ Civilian unemployment rate (%) ³ | 131.5 4.5 | 133.5 4.2 | 135.2 4.0 | 135.0 4.0 | 134.9 4.1 | 135.3 3.9 | 135.5 3.9 | 135.5 4.0 | 135.8 4.0 | 136.0 4.2 |
| Personal income (\$ bil. annual rate) | 7,391.0 | 7,789.6 | 8,281.0 | 8,056.4 | 8,326.5 | 8,420.6 | 8,405.7 | 8,420.1 | 8,455.5 | 8,504.3 |
| Money stock-M2 (daily avg.) (\$ bil.) ⁴ Three-month Treasury bill rate (%) AAA corporate bond yield (Moody's) (%) Total housing starts (1,000) ⁵ | 4,383.4 4.81 6.53 1,616.9 | 4,650.0 4.66 7.04 1,666.5 | 4,947.3 5.85 7.62 1,592.3 | 4,670.8 5.34 7.78 1,744 | 4,835.1 6.11 7.55 1,519 | 4,868.3 6.00 7.62 1,537 | 4,890.7 6.10 7.55 1,529 | 4,908.0 6.19 7.45 1,564 | 4,947.3 5.83 7.21 1,568 | 4,998.0 5.27 7.15 1,651 |
| Business inventory/sales ratio ⁶ Sales of all retail stores (\$ bil.) ⁷ Nondurable goods stores (\$ bil.) | 1.39 2,745.6 1,609.2 | 1.35 2,994.9 1,739.9 | 1.33 | 1.32 263.2 151.9 | 1.34 207.6 159.3 | 1.34 272.7 160.5 | 1.35 272.5 160.8 | 1.36 270.9 160.6 | 1.36 271.3 161.1 | 275.0 163.0 |
| Food stores (\$bil.) Apparel and accessory stores (\$ bil.) | 435.4 127.0 | 458.3 135.1 | | 38.8 11.4 | 40.4 11.9 | 40.6 12.1 | 40.8 12.1 | 40.8 12.0 | 41.2 12.1 | 41.3 12.3 |
| Eating and drinking places (\$ bil.) | 266.4 | 285.4 | | 25.0 | 25.5 | 25.8 | 25.7 | 25.8 | 25.8 | 26.6 |

^{-- =} Not available. 1. In October 1999, 1996 dollars replaced 1992 dollars. 2. Population estimates based on 1990 census. 3. Data beginning January 1994 are not directly comparable with data for earlier periods because of a major redesign of the household survey questionnaire. 4. Annual data as of December of year listed. 5. Private, including farm. 6. Manufacturing and trade. 7. Annual total. *Information contact: David Johnson (202) 694-5324*

Table 3—World Economic Growth_

| World less U.S. Developed economies less U.S. United States | 1.5 1.1 0.9 0.1 2.7 | 3.1 2.7 2.8 | 1995 2.7 2.8 | 1996 <i>Real Gl</i> 3.1 | 1997 DP, annual pe | 1998 ercent change | 1999 | 2000 | 2001 | 2002 |
|---|---------------------------------|-------------------|--------------------|-------------------------------|-----------------------|-----------------------|-------------------------|--------------|------------------------|------------|
| less U.S. Developed economies less U.S. | 1.1 0.9 0.1 | 2.7 2.8 | | | DP, annual pe | rcent change | | | | |
| less U.S. Developed economies less U.S. | 1.1 0.9 0.1 | 2.7 2.8 | | 3.1 | | | | | | |
| Developed economies less U.S. | 0.9 0.1 | 2.8 | 2.8 | | 3.4 | 2.1 | 2.9 | 4.0 | 2.5 | 3.4 |
| less U.S. | 0.1 | | | 3.0 | 3.1 | 1.3 | 2.4 | 3.7 | 2.7 | 3.3 |
| United States | 2.7 | 2.3 | 2.3 2.2 | 2.7 2.2 | 3.1 2.4 | 2.4 1.5 | 2.8 2.0 | 3.6 2.8 | 1.9 1.8 | 2.8 2.5 |
| | | 4.0 | 2.7 | 3.6 | 4.4 | 4.4 | 4.2 | 5.0 | 2.0 | 3.6 |
| Canada | 2.3 | 4.7 | 2.8 | 1.5 | 4.4 | 3.3 | 4.5 | 4.7 | 2.9 | 3.3 |
| Japan | 0.5 3.7 | 1.0 5.2 | 1.6 | 3.3 | 1.9 | -1.1 5.3 | 0.8 | 1.7 3.7 | 0.3 | 1.4 3.8 |
| Australia European Union | -0.4 | 5.2 2.7 | 3.8 2.4 | 4.1 1.6 | 4.0 2.5 | 5.3 2.7 | 4.7 2.5 | 3.7 | 1.9 2.6 | 3.0 |
| Transition economies | -6.6 | -8.9 | -1.5 | -1.0 | 1.1 | -1.5 | 2.3 | 5.7 | 3.7 | 4.0 |
| Eastern Europe | 1.0 | 2.9 | 5.7 | 4.2 | 2.4 | 1.8 | 2.0 | 3.8 | 3.6 | 4.4 |
| Poland | 3.8 | 5.2 | 7.0 | 6.1 | 6.9 | 4.8 | 4.0 | 4.2 | 3.5 | 4.5 |
| Former Soviet Union | -10.0 | -14.8 | -5.9 | -4.5 | 0.2 | -4.0 | 2.5 | 7.2 | 3.8 | 3.6 |
| Russia | -8.7 | -12.6 | -4.1 | -3.5 | 8.0 | -4.6 | 3.2 | 7.6 | 3.9 | 3.7 |
| Developing economies | 5.8 | 6.3 | 5.2 | 5.8 | 5.4 | 1.2 | 3.3 | 5.7 | 4.7 | 5.4 |
| Asia | 7.9 | 8.8 | 8.3 | 7.4 | 5.9 | 0.5 | 6.2 | 7.2 | 5.8 | 6.5 |
| East Asia | 9.1 | 9.8 | 8.8 | 7.8 | 7.0 | 2.0 | 7.5 | 8.2 | 6.3 | 6.8 |
| China Taiwan | 13.5 7.0 | 12.6 7.1 | 10.5 6.4 | 9.6 6.1 | 8.8 6.7 | 7.8 4.6 | 7.1 5.4 | 8.0 6.0 | 7.8 4.4 | 8.6 5.0 |
| Korea | 7.0 5.5 | 8.2 | 8.9 | 6.7 | 5.0 | 4.6 -6.7 | 5. 4 10.7 | 9.3 | 4. 4 5.1 | 5.0 |
| Southeast Asia | 7.7 | 7.9 | 8.1 | 7.1 | 4.7 | -6.2 | 3.6 | 5.7 | 4.3 | 5.5 |
| Indonesia | 7.7 | 7.9 7.5 | 8.2 | 7.1 | 4.7 | -0.2 | 0.7 | 4.8 | 4.3 | 5.9 |
| Malaysia | 8.3 | 9.2 | 9.5 | 8.6 | 7.8 | -7.2 | 5.6 | 8.6 | 5.8 | 6.0 |
| Philippines | 2.1 | 4.4 | 4.7 | 5.8 | 5.2 | -0.5 | 3.2 | 4.0 | 2.2 | 3.8 |
| Thailand | 8.4 | 8.9 | 8.8 | 5.5 | -0.4 | -10.8 | 4.2 | 4.1 | 4.1 | 5.6 |
| South Asia | 4.5 | 7.0 | 7.4 | 6.7 | 4.4 | 5.7 | 5.7 | 6.0 | 6.0 | 6.5 |
| India | 5.0 | 7.9 | 8.0 | 7.3 | 5.0 | 6.1 | 6.3 | 6.4 | 6.4 | 7.1 |
| Pakistan | 1.9 | 3.9 | 5.1 | 4.7 | -0.4 | 3.7 | 3.0 | 3.9 | 3.5 | 4.0 |
| Latin America | 4.3 1.9 | 5.3 4.5 | 1.3 -6.2 | 3.6 5.1 | 5.1 | 1.9 | 0.0 3.7 | 3.8 6.9 | 4.1 | 4.2 |
| Mexico Caribbean/Central | 4.7 | 4.5 4.0 | -6.2 3.2 | 3.6 | 6.8 5.8 | 4.8 6.1 | 3.7 | 4.0 | 4.7 4.7 | 4.5 5.3 |
| South America | 4.9 | 5.6 | 3.1 | 3.3 | 4.8 | 1.2 | -1.0 | 3.1 | 4.0 | 4.1 |
| Argentina | 5.9 | 5.8 | -2.8 | 5.5 | 8.1 | 3.9 | -3.1 | 0.1 | 1.2 | 1.9 |
| Brazil | 4.9 | 5.9 | 4.2 | 2.8 | 3.2 | 0.1 | 8.0 | 4.0 | 4.8 | 4.5 |
| Colombia | 5.4 | 5.8 | 5.2 | 2.0 | 2.8 | 0.6 | -4.5 | 3.3 | 4.8 | 5.5 |
| Venezuela | 0.3 | -2.3 | 3.7 | -0.5 | 6.5 | -0.7 | -7.3 | 2.6 | 3.1 | 3.0 |
| Middle East | 3.9 | -0.2 | 3.7 | 4.3 | 4.7 | 2.2 | -1.4 | 4.5 | 0.6 | 3.9 |
| Israel Saudi Arabia | 5.6 -0.6 | 6.9 0.5 | 7.0 0.5 | 4.6 1.4 | 2.2 1.9 | 1.9 2.3 | 2.1 -1.1 | 5.4 3.5 | 2.8 3.0 | 4.0 2.5 |
| Turkey | 8.7 | -5.2 | 7.8 | 7.0 | 7.5 | 2.8 | - 5.1 | 6.1 | -4.3 | 5.9 |
| Africa | 1.0 | 3.2 | 2.9 | 5.2 | 2.8 | 3.1 | 2.9 | 3.7 | 4.1 | 3.7 |
| North Africa | 0.5 | 3.9 | 1.5 | 6.5 | 2.6 | 5.6 | 3.9 | 4.4 | 4.7 | 4.1 |
| Egypt | 2.9 | 3.9 | 4.7 | 5.0 | 5.5 | 5.6 | 6.1 | 5.1 | 4.7 | 4.3 |
| Sub-Sahara | 1.4 | 2.6 | 3.9 | 4.3 | 2.9 | 1.3 | 2.2 | 3.3 | 3.6 | 3.3 |
| South Africa | 1.2 | 3.2 | 3.1 Co | 4.2 nsumer price | 2.5 s. annual per | 0.5 cent change | 1.9 | 3.1 | 3.4 | 3.2 |
| Davidanad accomics | 3.1 | 2.6 | 2.6 | • | 2.1 | ŭ | 1 1 | 2.3 | 2.1 | |
| Developed economies Transition economies | 3.1 634.4 | 2.6 274.1 | 2.6 133.5 | 2.4 42.4 | 2.1 27.3 | 1.5 21.8 | 1.4 43.8 | 2.3 18.3 | 2.1 12.5 | |
| Developing economies | 48.7 | 54.7 | 23.2 | 15.3 | 9.7 | 10.1 | 6.6 | 6.2 | 5.2 | |
| Asia | 10.8 | 16.0 | 13.2 | 8.3 | 4.7 | 7.5 | 2.4 | 2.4 | 3.3 | |
| Latin America | 194.6 | 200.3 | 36.0 | 21.6 | 13.4 | 10.2 | 9.3 | 8.9 | 7.0 | |
| Middle East Africa | 26.6 39.0 | 33.2 54.8 | 39.2 35.2 | 26.9 30.2 | 25.4 13.6 | 25.3 9.1 | 20.4 11.8 | 17.4 12.7 | 9.5 8.6 | |

^{-- =} Not available. The last 3 years are either estimates or forecasts. Sources: Oxford Economic Forecasting; International Financial Statistics, IMF. Information contact: Andy Jerardo (202) 694-5323, ajerardo@ers.usda.gov

Farm Prices

Table 4—Indexes of Prices Received & Paid by Farmers, U.S. Average

| | | Annual | | | | 2000 | | | 200 |)1 |
|--|-------|--------|-------|-------|---------|-------|-------|-------|-------|-------|
| _ | 1998 | 1999 | 2000 | Feb | Sep | Oct | Nov | Dec | Jan | Feb |
| | | | | | 1990-92 | 2=100 | | | | |
| Prices received | | | | | | | | | | |
| All farm products | 101 | 96 | 97 | 93 | 98 | 93 | 98 | 98 | 97 | 99 |
| All crops | 107 | 97 | 96 | 92 | 98 | 91 | 97 | 96 | 94 | 97 |
| Food grains | 103 | 90 | 86 | 85 | 82 | 88 | 92 | 94 | 93 | 91 |
| Feed grains and hay | 100 | 86 | 86 | 88 | 78 | 80 | 85 | 90 | 89 | 89 |
| Cotton | 107 | 85 | 82 | 77 | 83 | 92 | 96 | 96 | 86 | 83 |
| Tobacco | 104 | 102 | 106 | 113 | 105 | 104 | 113 | 113 | 118 | 119 |
| Oil-bearing crops | 107 | 83 | 85 | 86 | 84 | 81 | 84 | 88 | 84 | 78 |
| Fruit and nuts, all | 113 | 117 | 103 | 94 | 124 | 120 | 107 | 85 | 91 | 92 |
| Commercial vegetables | 121 | 109 | 121 | 87 | 142 | 124 | 143 | 112 | 120 | 144 |
| Potatoes and dry beans | 99 | 100 | 95 | 99 | 81 | 76 | 77 | 78 | 78 | 85 |
| Livestock and products | 97 | 95 | 98 | 94 | 98 | 96 | 100 | 101 | 100 | 102 |
| Meat animals | 79 | 83 | 94 | 91 | 90 | 92 | 92 | 95 | 97 | 98 |
| Dairy products | 119 | 110 | 94 | 90 | 98 | 96 | 96 | 100 | 101 | 100 |
| Poultry and eggs | 117 | 111 | 110 | 104 | 116 | 107 | 119 | 114 | 105 | 112 |
| Prices paid | | | | | | | | | | |
| Commodities and services, | | | | | | | | | | |
| interest, taxes, and wage rates (PPITW) | 115 | 115 | 120 | 119 | 120 | 121 | 121 | 122 | 124 | 126 |
| Production items | 113 | 111 | 116 | 115 | 116 | 117 | 117 | 118 | 120 | 123 |
| Feed | 110 | 100 | 101 | 101 | 98 | 100 | 102 | 106 | 109 | 113 |
| Livestock and poultry | 88 | 95 | 110 | 109 | 105 | 111 | 112 | 115 | 111 | 108 |
| Seeds | 122 | 121 | 123 | 121 | 124 | 124 | 124 | 124 | 124 | 124 |
| Fertilizer | 112 | 105 | 110 | 106 | 113 | 115 | 116 | 119 | 134 | 153 |
| Agricultural chemicals | 122 | 121 | 120 | 120 | 120 | 120 | 119 | 120 | 127 | 135 |
| Fuels | 84 | 93 | 136 | 125 | 153 | 152 | 155 | 146 | 143 | 147 |
| Supplies and repairs | 119 | 121 | 124 | 123 | 124 | 124 | 125 | 125 | 126 | 126 |
| Autos and trucks | 119 | 119 | 119 | 119 | 118 | 118 | 119 | 119 | 120 | 120 |
| Farm machinery | 132 | 135 | 137 | 138 | 137 | 137 | 137 | 137 | 137 | 137 |
| Building material | 118 | 120 | 121 | 121 | 121 | 121 | 121 | 121 | 120 | 120 |
| Farm services | 115 | 116 | 118 | 117 | 119 | 119 | 118 | 118 | 119 | 119 |
| Rent | 120 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 114 | 114 |
| Interest payable per acre on farm real estate debt | 104 | 106 | 110 | 110 | 110 | 110 | 110 | 110 | 116 | 116 |
| Taxes payable per acre on farm real estate | 119 | 120 | 123 | 123 | 123 | 123 | 123 | 123 | 123 | 123 |
| Wage rates (seasonally adjusted) | 129 | 135 | 140 | 140 | 136 | 143 | 143 | 143 | 149 | 149 |
| Prod. items, interest, taxes & wage rates (PITW) | 114 | 113 | 118 | 117 | 118 | 119 | 119 | 120 | 123 | 125 |
| Ratio, prices received to prices paid (%)* | 88 | 83 | 81 | 78 | 82 | 77 | 81 | 80 | 78 | 79 |
| Prices received (1910-14=100) | 644 | 608 | 615 | 591 | 623 | 591 | 624 | 624 | 614 | 632 |
| Prices paid, etc. (parity index) (1910-14=100) | 1,532 | 1,531 | 1,592 | 1,578 | 1,592 | 1,609 | 1,612 | 1,621 | 1,651 | 1,672 |
| Parity ratio (1910-14=100) (%)* | 42 | 40 | 39 | 37 | 39 | 37 | 39 | 38 | 37 | 38 |

Values for the two most recent months are revised or preliminary. *Ratio of index of prices received for all farm products to index of prices paid for commodities and services, interest, taxes, and wage rates. Ratio uses the most recent prices paid index. Data for this table are taken from the publication *Agricultural Prices*, which is produced monthly by USDA's National Agricultural Statistics Service (NASS) and is available at http://usda.mannlib.cornell.edu/reports/nassr/price/pap-bb/. For historical data or for categories not listed here, call the National Agricultural Statistics Service (NASS) Information Hotline at 1-800-727-9540, or access the NASS Home Page at http://www.usda.gov/nass.

Table 5—Prices Received by Farmers, U.S. Average_

| | Annual ¹ | | | | | 2000 | | | 2001 | |
|--|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1997 | 1998 | 1999 | Feb | Sep | Oct | Nov | Dec | Jan | Feb |
| Crops | | | | | | | | | | |
| All wheat (\$/bu.) | 3.38 | 2.65 | 2.55 | 2.54 | 2.44 | 2.68 | 2.83 | 2.87 | 2.85 | 2.83 |
| Rice, rough (\$/cwt) | 9.70 | 8.89 | 6.00 | 5.88 | 5.72 | 5.61 | 5.63 | 5.60 | 5.84 | 5.69 |
| Corn (\$/bu.) | 2.43 | 1.94 | 1.90 | 1.98 | 1.61 | 1.74 | 1.86 | 1.97 | 1.98 | 1.92 |
| Sorghum (\$/cwt) | 3.95 | 2.97 | 2.95 | 3.06 | 2.77 | 3.01 | 3.27 | 3.54 | 3.37 | 3.39 |
| All hay, baled (\$/ton) | 100.00 | 84.60 | 77.00 | 74.30 | 82.70 | 85.20 | 85.00 | 85.10 | 84.90 | 86.80 |
| Soybeans (\$/bu.) | 6.47 | 4.93 | 4.75 | 4.79 | 4.57 | 4.45 | 4.55 | 4.78 | 4.68 | 4.37 |
| Cotton, upland (¢/lb.) | 65.20 | 60.20 | 44.90 | 46.80 | 50.60 | 55.90 | 58.00 | 58.00 | 52.30 | 50.30 |
| Potatoes (\$/cwt) | 5.62 | 5.56 | 5.84 | 5.92 | 4.69 | 4.33 | 4.40 | 4.61 | 4.56 | 5.05 |
| Lettuce (\$/cwt) ² | 17.50 | 16.10 | 13.30 | 9.28 | 29.40 | 16.10 | 20.20 | 12.00 | 13.70 | 23.50 |
| Tomatoes, fresh (\$/cwt) 2 | 31.70 | 35.20 | 25.90 | 23.50 | 27.80 | 42.60 | 46.10 | 33.00 | 43.80 | 30.10 |
| Onions (\$/cwt) | 12.60 | 13.80 | 9.78 | 5.63 | 11.70 | 11.00 | 10.60 | 11.60 | 13.90 | 14.20 |
| Beans, dry edible (\$/cwt) | 19.30 | 19.00 | 17.60 | 15.60 | 15.60 | 15.60 | 15.40 | 14.40 | 15.00 | 14.80 |
| Apples for fresh use (¢/lb.) | 22.10 | 17.30 | 21.20 | 20.30 | 23.30 | 21.80 | 18.50 | 18.10 | 16.10 | 15.20 |
| Pears for fresh use (\$/ton) | 276.00 | 291.00 | 294.00 | 402.00 | 317.00 | 377.00 | 378.00 | 301.00 | 340.00 | 251.00 |
| Oranges, all uses (\$/box) ³ | 4.22 | 4.29 | 5.94 | 3.43 | 9.30 | 1.09 | 3.16 | 2.94 | 2.82 | 3.29 |
| Grapefruit, all uses (\$/box) ³ | 1.93 | 2.00 | 3.22 | 4.31 | 6.71 | 5.17 | 3.09 | 2.20 | 1.87 | 2.07 |
| Livestock | | | | | | | | | | |
| Cattle, all beef (\$/cwt) | 63.10 | 59.60 | 63.40 | 67.60 | 65.30 | 66.70 | 69.10 | 71.90 | 74.80 | 74.70 |
| Calves (\$/cwt) | 78.90 | 78.80 | 87.70 | 105.00 | 103.00 | 102.00 | 106.00 | 106.00 | 108.00 | 108.00 |
| Hogs, all (\$/cwt) | 52.90 | 34.40 | 30.30 | 39.90 | 41.50 | 41.40 | 36.40 | 39.80 | 37.20 | 38.60 |
| Lambs (\$/cwt) | 90.30 | 72.30 | 74.50 | 72.00 | 80.80 | 76.80 | 71.50 | 71.80 | 74.10 | |
| All milk, sold to plants (\$/cwt) | 13.36 | 15.46 | 14.38 | 11.80 | 12.80 | 12.50 | 12.60 | 13.10 | 13.20 | 13.10 |
| Milk, manuf. grade (\$/cwt) | 12.17 | 14.24 | 12.86 | 10.20 | 11.20 | 10.80 | 10.40 | 10.80 | 10.90 | 11.10 |
| Broilers, live (¢/lb.) | 37.70 | 39.30 | 37.10 | 33.50 | 39.00 | 33.00 | 38.00 | 35.00 | 34.00 | 37.00 |
| Eggs, all (¢/doz.) ⁴ | 70.30 | 66.80 | 62.70 | 68.60 | 60.30 | 68.50 | 74.00 | 83.30 | 67.20 | 68.20 |
| Turkeys (¢/lb.) | 39.90 | 38.00 | 40.80 | 35.70 | 44.50 | 45.90 | 47.00 | 40.50 | 36.60 | 36.30 |

^{--- =} Not available. Values for the two most recent months are revised or preliminary. 1. Season-average price by crop year for crops. Calendar year average of monthly prices for livestock. 2. Excludes Hawaii. 3. Equivalent on-tree returns. 4. Average of all eggs sold by producers including hatching eggs and eggs sold at retail. Data for this table are taken from the publication *Agricultural Prices*, which is produced monthly by USDA's National Agricultural Statistics Service (NASS) and is available at http://usda.mannlib.cornell.edu/reports/nassr/price/pap-bb/. For historical data or for categories not listed here, call the National Agricultural Statistics Service (NASS) Information Hotline at 1-800-727-9540, or access the NASS Home Page at http://www.usda.gov/nass.

Producer & Consumer Prices

Table 6—Consumer Price Indexes for All Urban Consumers, U.S. Average (not seasonally adjusted)

| | | Annual | | | | 2000 | | | 2001 | |
|--|---|---|---|---|---|---|---|---|---|---|
| | 1998 | 1999 | 2000 | Feb | Sep | Oct | Nov | Dec | Jan | Feb |
| | | | | | 1982-8 | 4=100 | | | | |
| Consumer Price Index, all items CPI, all items less food | 163.0 163.6 | 166.6 167.0 | 172.1 172.9 | 169.7 170.3 | 173.7 174.6 | 174.0 174.9 | 174.1 175.0 | 174.0 174.7 | 175.1 175.9 | 175.8 176.6 |
| All food | 160.7 | 164.1 | 167.8 | 166.3 | 168.9 | 169.1 | 168.9 | 170.0 | 170.9 | 171.3 |
| Food away from home | 161.1 | 165.1 | 169.0 | 167.6 | 170.0 | 170.3 | 170.4 | 170.8 | 171.4 | 171.8 |
| Food at home Meats ¹ Beef and veal Pork | 161.1 141.6 136.5 148.5 | 164.2 142.3 139.2 145.9 | 167.9 150.7 148.1 156.5 | 166.3 146.4 144.3 150.7 | 169.0 153.8 150.2 161.4 | 169.1 152.9 148.9 160.7 | 168.8 152.5 149.3 158.0 | 170.2 152.9 150.9 157.2 | 171.3 154.1 154.8 156.7 | 171.8 156.5 158.6 157.9 |
| Poultry Fish and seafood Eggs Dairy and related products ² Fats and oils ³ | 157.1 181.7 135.4 150.8 146.9 | 157.9 185.3 128.1 159.6 148.3 | 159.8 190.4 131.9 160.7 147.4 | 157.9 190.0 131.7 160.9 145.6 | 160.9 191.9 132.0 161.6 148.7 | 162.1 192.8 136.1 161.9 149.7 | 157.2 189.6 140.4 161.4 146.5 | 160.7 189.5 145.5 161.5 150.2 | 160.8 192.8 150.4 163.6 153.0 | 161.8 193.0 142.9 163.6 152.6 |
| Fresh fruits Fresh vegetables Potatoes | 246.5 215.8 185.2 | 266.3 209.3 193.1 | 258.3 219.4 196.3 | 263.0 211.0 198.1 | 258.2 218.9 195.4 | 262.6 218.6 191.5 | 262.8 224.6 181.2 | 269.0 240.2 179.4 | 261.8 235.9 186.6 | 253.5 240.6 186.8 |
| Cereals and bakery products Sugar and sweets | 181.1 150.2 | 185.0 152.3 | 188.3 154.0 | 186.0 154.4 | 188.6 154.6 | 190.1 153.9 | 189.0 153.0 | 190.7 153.5 | 191.1 155.7 | 191.9 155.8 |
| Nonalcoholic beverages ⁴ | 133.0 | 134.3 | 137.8 | 138.4 | 138.0 | 137.4 | 137.9 | 136.7 | 139.4 | 139.9 |
| Apparel Footwear Tobacco and smoking products | 128.0 274.8 | 125.7 355.8 | 123.8 394.9 | 122.1 383.0 | 124.9 408.0 | 125.3 396.7 | 125.4 411.0 | 123.8 396.6 | 121.4 404.3 | 122.6 408.5 |
| Alcoholic beverages | 165.7 | 169.7 | 174.7 | 173.0 | 175.5 | 175.9 | 176.4 | 176.5 | 177.2 | 177.7 |

^{1.} Beef, veal, lamb, pork, and processed meat. 2. Included butter through December 1997. 3. Includes butter as of January 1998. 4. Includes fruit juices as of January 1998. This table is compiled with data provided by the Bureau of Labor Statistics (BLS). BLS operates a website at http://stats.bls.gov/blshome.html and a Consumer Prices Information Hotline at (202) 606-7828.

Table 7—Producer Price Indexes, U.S. Average (not seasonally adjusted)

| | | Annual | | | | 2000 | | 2001 | | | |
|---|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | 1997 | 1998 | 1999 | Feb | Sep | Oct | Nov | Dec | Jan | Feb | |
| | | | | | 1982= | =100 | | | | | |
| All commodities | 127.6 | 124.4 | 125.5 | 129.8 | 134.7 | 135.4 | 134.6 | 135.7 | 138.8 | 136.5 | |
| Finished goods ¹ | 131.8 | 130.6 | 133.0 | 136.0 | 139.4 | 140.1 | 139.9 | 139.7 | 141.2 | 141.5 | |
| All foods ² | 132.8 | 132.4 | 132.2 | 131.9 | 133.0 | 133.8 | 133.7 | 133.6 | 134.1 | 135.3 | |
| Consumer foods | 134.5 | 134.3 | 135.1 | 136.0 | 137.4 | 138.0 | 138.1 | 137.9 | 138.4 | 139.5 | |
| Fresh fruits and melons | 99.4 | 90.0 | 103.6 | 100.0 | 92.3 | 95.6 | 90.7 | 92.5 | 96.5 | 88.5 | |
| Fresh and dry vegetables | 123.1 | 139.5 | 118.0 | 107.6 | 138.0 | 143.9 | 149.7 | 110.8 | 128.8 | 145.8 | |
| Dried and dehydrated fruits | 124.9 | 124.4 | 121.2 | 122.4 | 122.5 | 125.3 | 125.3 | 119.7 | 121.8 | 121.9 | |
| Canned fruits and juices | 137.6 | 134.4 | 137.8 | 140.2 | 140.1 | 139.7 | 140.2 | 140.5 | 142.2 | 142.4 | |
| Frozen fruits, juices and ades | 117.2 | 116.1 | 123.0 | 123.9 | 118.1 | 116.8 | 116.3 | 116.1 | 116.4 | 115.8 | |
| Fresh veg. except potatoes | 121.3 | 137.9 | 117.7 | 100.5 | 155.9 | 165.0 | 174.5 | 121.7 | 147.0 | 171.3 | |
| Canned vegetables and juices | 120.1 | 121.5 | 120.9 | 120.8 | 121.1 | 121.6 | 121.7 | 121.5 | 121.1 | 121.4 | |
| Frozen vegetables | 125.8 | 125.4 | 126.1 | 126.2 | 126.2 | 126.9 | 125.8 | 126.7 | 125.9 | 128.5 | |
| Potatoes | 106.1 | 122.5 | 126.9 | 111.0 | 98.7 | 93.4 | 92.3 | 90.8 | 88.4 | 86.6 | |
| Eggs for fresh use (1991=100) | 97.1 | 90.1 | 77.9 | 95.3 | 77.7 | 90.7 | 99.7 | 109.3 | 95.7 | 89.6 | |
| Bakery products | 173.9 | 175.8 | 178.0 | 180.2 | 183.2 | 184.1 | 185.0 | 184.6 | 185.0 | 185.8 | |
| Meats | 111.6 | 101.4 | 104.6 | 111.2 | 111.7 | 112.2 | 112.1 | 115.1 | 115.6 | 117.4 | |
| Beef and veal | 102.8 | 99.5 | 106.3 | 110.1 | 110.0 | 112.3 | 114.5 | 118.9 | 121.9 | 123.1 | |
| Pork | 123.1 | 96.6 | 96.0 | 110.2 | 110.1 | 109.1 | 105.0 | 109.1 | 104.9 | 108.5 | |
| Processed poultry | 117.4 | 120.7 | 114.0 | 109.2 | 116.6 | 116.4 | 116.8 | 113.6 | 109.3 | 112.2 | |
| Unprocessed and packaged fish | 178.1 | 183.0 | 190.9 | 207.8 | 190.3 | 194.4 | 189.6 | 192.5 | 193.1 | 211.4 | |
| Dairy products | 128.1 | 138.1 | 139.2 | 130.7 | 135.6 | 134.4 | 135.6 | 136.8 | 136.8 | 136.1 | |
| | | | 128.1 | | | | | | | | |
| Processed fruits and vegetables | 126.4 | 125.8 | | 129.1 | 128.1 | 128.2 | 127.7 | 127.4 | 127.6 | 128.1 | |
| Shortening and cooking oil | 137.8 | 143.4 | 140.4 | 133.0 | 131.8 | 133.0 | 133.1 | 132.4 | 129.6 | 129.2 | |
| Soft drinks | 133.2 | 134.8 | 137.9 | 143.2 | 144.2 | 144.3 | 144.7 | 144.3 | 146.6 | 146.8 | |
| Finished consumer goods less foods | 128.2 | 126.4 | 130.5 | 135.4 | 141.1 | 141.6 | 141.2 | 140.8 | 143.3 | 143.6 | |
| Alcoholic beverages | 135.1 | 135.2 | 136.7 | 138.2 | 142.1 | 142.8 | 141.7 | 143.5 | 143.4 | 143.2 | |
| Apparel | 125.7 | 126.6 | 127.1 | 127.4 | 127.6 | 127.6 | 127.2 | 127.1 | 127.0 | 127.0 | |
| Footwear | 143.7 | 144.7 | 144.5 | 144.8 | 145.1 | 145.1 | 145.1 | 145.5 | 144.9 | 146.2 | |
| Tobacco products | 248.9 | 283.4 | 374.0 | 400.0 | 402.9 | 403.8 | 403.9 | 404.2 | 426.7 | 426.9 | |
| Intermediate materials ³ | 125.6 | 123.0 | 123.2 | 126.9 | 131.1 | 130.8 | 130.5 | 130.6 | 131.5 | 131.3 | |
| Materials for food manufacturing | 123.2 | 123.1 | 120.8 | 117.5 | 119.0 | 119.1 | 118.8 | 119.8 | 120.4 | 120.3 | |
| Flour | 118.7 | 109.2 | 104.3 | 102.3 | 103.6 | 107.8 | 107.2 | 106.1 | 107.5 | 107.0 | |
| Refined sugar ⁴ | 123.6 | 119.8 | 121.0 | 113.9 | 108.7 | 106.2 | 106.0 | 106.0 | 107.7 | 110.4 | |
| Crude vegetable oils | 116.6 | 131.1 | 90.2 | 75.6 | 70.0 | 68.0 | 65.9 | 63.8 | 61.1 | 59.3 | |
| Crude materials ⁵ | 111.1 | 96.7 | 98.2 | 110.3 | 126.0 | 130.3 | 125.5 | 136.2 | 155.0 | 133.2 | |
| Foodstuffs and feedstuffs | 112.2 | 103.8 | 98.7 | 97.6 | 97.6 | 99.5 | 100.5 | 103.9 | 105.3 | 104.5 | |
| Fruits and vegetables and nuts ⁶ | 115.5 | 117.2 | 117.4 | 108.4 | 115.9 | 121.5 | 120.3 | 106.0 | 115.5 | 117.6 | |
| Grains | 111.2 | 93.4 | 80.1 | 82.4 | 70.1 | 76.3 | 81.2 | 81.2 | 86.6 | 80.5 | |
| Slaughter livestock | 96.3 | 82.3 | 86.4 | 92.4 | 91.1 | 93.1 | 94.3 | 100.9 | 100.9 | 102.3 | |
| Slaughter poultry, live | 131.0 | 141.4 | 129.9 | 113.4 | 133.6 | 130.8 | 134.7 | 129.1 | 124.3 | 123.6 | |
| Plant and animal fibers | 117.0 | 110.4 | 86.5 | 88.1 | 99.3 | 101.4 | 101.2 | 100.2 | 92.8 | 92.1 | |
| Fluid milk | 97.5 | 112.6 | 106.3 | 88.6 | 96.1 | 93.8 | 90.7 | 96.6 | 100.2 | 97.5 | |
| Oilseeds | 140.8 | 114.4 | 90.8 | 94.7 | 92.5 | 89.9 | 89.9 | 94.7 | 93.6 | 86.5 | |
| Leaf tobacco | 105.1 | 104.6 | 101.6 | 112.0 | 107.0 | 106.4 | 104.3 | 115.8 | 119.9 | 121.4 | |
| Raw cane sugar | 116.8 | 117.2 | 113.7 | 93.6 | 99.9 | 110.5 | 113.8 | 109.3 | 112.2 | 122.1 | |
| Taw daile Sugai | 110.0 | 111.2 | 110.7 | 33.0 | 33.3 | 110.5 | 110.0 | 109.5 | 114.4 | 144.1 | |

^{1.} Commodities ready for sale to ultimate consumer. 2. Includes all raw, intermediate, and processed foods (excludes soft drinks, alcoholic

beverages, and manufactured animal feeds). 3. Commodities requiring further processing to become finished goods. 4. All types and sizes of refined sugar.

^{5.} Products entering market for the first time that have not been manufactured at that point. 6. Fresh and dried.

This table is compiled with data provided by the Bureau of Labor Statistics (BLS). BLS operates a website at http://stats.bls.gov/blshome.html and a Producer Prices Information Hotline at (202) 606-7705.

Farm-Retail Price Spreads

Table 8—Farm-Retail Price Spreads_

| | | Annual | | 1999 | | | 2000 | | | | |
|---|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | 1998 | 1999 | 2000 | Dec | Jul | Aug | Sep | Oct | Nov | Dec | |
| • | - | | • | | | | | | | | |
| Market basket ¹ | 400.4 | 407.0 | 470.0 | 400.7 | 470.0 | 474.7 | 474.0 | 470.0 | 474.0 | 474.0 | |
| Retail cost (1982-84=100) | 163.1 | 167.3 | 170.6 | 168.7 | 170.8 | 171.7 | 171.9 | 172.3 | 171.9 | 174.0 | |
| Farm value (1982-84=100) | 103.3 | 98.3 | 97.0 | 95.2 | 96.1 | 97.3 | 98.8 | 97.4 | 100.6 | 101.4 | |
| Farm-retail spread (1982-84=100) | 195.4 | 204.5 | 210.2 | 208.3 | 211.0 | 211.8 | 211.3 | 212.6 | 210.4 | 213.1 | |
| Farm value-retail cost (%) | 22.2 | 20.6 | 19.9 | 19.8 | 19.7 | 19.8 | 20.1 | 19.8 | 20.5 | 20.4 | |
| Meat products | | | | | | | | | | | |
| Retail cost (1982-84=100) | 141.6 | 142.3 | 150.4 | 145.3 | 152.7 | 153.9 | 153.8 | 152.9 | 152.5 | 152.9 | |
| Farm value (1982-84=100) | 84.8 | 81.6 | 88.4 | 85.7 | 88.9 | 89.4 | 89.8 | 89.9 | 90.7 | 90.7 | |
| Farm-retail spread (1982-84=100) | 200.0 | 204.7 | 214.0 | 206.5 | 218.1 | 220.1 | 219.4 | 217.5 | 215.9 | 216.7 | |
| Farm value-retail cost (%) | 30.3 | 29 | 29.8 | 29.9 | 29.5 | 29.4 | 29.6 | 29.8 | 30.1 | 30.1 | |
| Dairy products | | | | | | | | | | | |
| Retail cost (1982-84=100) | 150.8 | 159.6 | 160.7 | 162.1 | 160.5 | 161.0 | 161.6 | 161.9 | 161.4 | 161.5 | |
| Farm value (1982-84=100) | 113.0 | 107.9 | 98.8 | 92.8 | 101.7 | 101.1 | 102.9 | 101.2 | 102.1 | 106.1 | |
| Farm-retail spread (1982-84=100) | 185.6 | 207.2 | 217.7 | 226.0 | 214.7 | 216.3 | 215.8 | 217.9 | 216.1 | 212.6 | |
| Farm value-retail cost (%) | 36.0 | 32.4 | 29.5 | 27.5 | 30.4 | 30.1 | 30.5 | 30.0 | 30.3 | 31.5 | |
| Poultry | | | | | | | | | | | |
| Retail cost (1982-84=100) | 157.1 | 157.9 | 159.8 | 157.5 | 161.8 | 161.3 | 160.9 | 162.1 | 157.2 | 160.7 | |
| Farm value (1982-84=100) | 126.1 | 119 | 117.4 | 120.2 | 121.9 | 115.6 | 127.2 | 111.6 | 125.7 | 114.5 | |
| Farm-retail spread (1982-84=100) | 192.9 | 202.7 | 208.7 | 200.5 | 207.7 | 213.9 | 199.7 | 220.2 | 193.4 | 213.9 | |
| Farm value-retail cost (%) | 42.9 | 40.3 | 39.3 | 40.8 | 40.3 | 38.4 | 42.3 | 36.9 | 42.8 | 38.1 | |
| Eggs | | | | | | | | | | | |
| Retail cost (1982-84=100) | 137.1 | 128.1 | 131.9 | 124.0 | 125.5 | 130.5 | 132.0 | 136.1 | 140.4 | 145.5 | |
| Farm value (1982-84=100) | 89.6 | 74.9 | 80.6 | 74.4 | 64.3 | 87.1 | 71.8 | 88.9 | 100.4 | 119.3 | |
| Farm-retail spread (1982-84=100) | 222.5 | 223.7 | 223.9 | 213.0 | 235.5 | 208.4 | 240.1 | 220.9 | 212.3 | 192.6 | |
| Farm value-retail cost (%) | 42.0 | 37.6 | 39.3 | 38.6 | 32.9 | 42.9 | 35.0 | 42.0 | 45.9 | 52.7 | |
| Cereal and bakery products | | | | | | | | | | | |
| Retail cost (1982-84=100) | 181.1 | 185.0 | 188.3 | 185.9 | 189.6 | 189.9 | 188.6 | 190.1 | 189.0 | 190.7 | |
| Farm value (1982-84=100) | 94.4 | 82.5 | 75.2 | 75.1 | 70.0 | 71.8 | 72.3 | 76.5 | 79.6 | 77.4 | |
| Farm-retail spread (1982-84=100) | 193.2 | 199.2 | 204.0 | 201.4 | 206.3 | 206.4 | 204.8 | 205.9 | 204.3 | 206.5 | |
| Farm value-retail cost (%) | 6.4 | 5.5 | 4.9 | 4.9 | 4.5 | 4.6 | 4.7 | 4.9 | 5.2 | 5.0 | |
| Fresh fruit | | | | | | | | | | | |
| Retail cost (1982-84=100) | 258.2 | 294.3 | 284.3 | 294.8 | 272.2 | 277.7 | 285.1 | 289.7 | 290.4 | 297.4 | |
| Farm value (1982-84=100) | 141.3 | 153.7 | 141.3 | 144.2 | 115.8 | 132.8 | 140.4 | 140.4 | 140.5 | 143.7 | |
| Farm-retail spread (1982-84=100) | 312.2 | 359.3 | 350.3 | 364.3 | 344.4 | 344.6 | 351.9 | 358.6 | 359.6 | 368.4 | |
| Farm value-retail cost (%) | 17.3 | 16.5 | 15.7 | 15.5 | 13.4 | 15.1 | 15.6 | 14.9 | 15.3 | 15.3 | |
| Fresh vegetables | | | | | | | | | | | |
| Retail cost (1982-84=100) | 215.8 | 209.3 | 219.4 | 214.0 | 216.7 | 217.3 | 218.9 | 218.6 | 224.6 | 240.2 | |
| Farm value (1982-84=100) | 124.5 | 118.1 | 121.4 | 121.1 | 127.0 | 127.6 | 125.2 | 109.2 | 126.9 | 129.2 | |
| Farm-retail spread (1982-84=100) | 262.7 | 256.2 | 269.8 | 261.8 | 262.8 | 263.4 | 267.1 | 274.9 | 274.8 | 297.3 | |
| Farm value-retail cost (%) | 19.6 | 19.2 | 18.8 | 19.2 | 19.9 | 19.9 | 19.4 | 17.0 | 19.2 | 18.3 | |
| Processed fruits and vegetables | | | | | | | | | | | |
| Retail cost (1982-84=100) | 150.6 | 154.8 | 153.6 | 154.7 | 154.5 | 155.3 | 154.2 | 155.7 | 152.6 | 153.8 | |
| Farm value (1982-84=100) | 115.1 | 113.5 | 111.0 | 111.7 | 110.4 | 109.9 | 111.2 | 111.2 | 110.6 | 110.3 | |
| Farm-retail spread (1982-84=100) | 161.7 | 167.7 | 166.9 | 168.1 | 168.3 | 169.5 | 167.6 | 169.7 | 165.7 | 167.4 | |
| Farm value-retail cost (%) | 18.2 | 17.4 | 17.2 | 17.2 | 17.0 | 16.8 | 17.1 | 17.0 | 17.2 | 17.0 | |
| Fats and oils | 10.2 | ., | 17.2 | 17.2 | 17.0 | 10.0 | | 17.0 | 17.2 | 17.0 | |
| Retail cost (1982-84=100) | 146.9 | 148.3 | 147.4 | 145.1 | 148.1 | 148.9 | 148.7 | 149.7 | 146.5 | 150.2 | |
| Farm value (1982-84=100) | 118.9 | 89 | 80.9 | 78.2 | 80.6 | 79.1 | 78.6 | 76.6 | 76.2 | 73.8 | |
| Farm-retail spread (1982-84=100) | 157.2 | 170 | 171.9 | 169.7 | 172.9 | 174.6 | 174.5 | 176.6 | 172.4 | 178.3 | |
| Farm value-retail cost (%) | 21.8 | 16.2 | 14.8 | 14.5 | 14.6 | 14.3 | 14.2 | 170.0 | 14.0 | 13.2 | |
| Conference at and of table post nor | _ | 10.2 | 14.0 | 17.0 | 17.0 | 17.0 | 17.4 | 10.0 | 17.0 | 10.2 | |

See footnotes at end of table, next page.

Table 8—Farm-Retail Price Spreads (continued)_

| | Annual | | | | 2000 | | | | | 2001 | | |
|--|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| | 1998 | 1999 | 2000 | Feb | Sep | Oct | Nov | Dec | Jan | Feb | | |
| Beef, all fresh retail value (cents/lb.) Beef, Choice | 253.3 | 260.5 | 275.3 | 270.1 | 280.9 | 280.6 | 279.6 | 280.4 | 292.4 | 297.9 | | |
| Retail value (cents/lb.) ² | 277.1 | 287.8 | 306.4 | 293.6 | 313.0 | 311.8 | 310.3 | 310.1 | 321.4 | 334.2 | | |
| Wholesale value (cents/lb.) ³ | 153.8 | 171.6 | 182.3 | 174.5 | 168.6 | 174.4 | 182.8 | 197.6 | 202.5 | 201.5 | | |
| Net farm value (cents/lb.)4 | 130.8 | 141.1 | 149.0 | 146.5 | 136.6 | 143.6 | 152.4 | 163.5 | 167.7 | 171.0 | | |
| Farm-retail spread (cents/lb.) | 146.3 | 146.7 | 157.4 | 147.1 | 176.4 | 168.2 | 157.9 | 146.6 | 153.7 | 163.2 | | |
| Wholesale-retail (cents/lb.) ⁵ | 123.3 | 116.2 | 124.1 | 119.1 | 144.4 | 137.4 | 127.5 | 112.5 | 118.9 | 132.7 | | |
| Farm-wholesale (cents/lb.) ⁶ | 23.0 | 30.5 | 33.3 | 28.0 | 32.0 | 30.8 | 30.4 | 34.1 | 34.8 | 30.5 | | |
| Farm value-retail value (%) | 47.2 | 49.0 | 48.6 | 49.9 | 43.6 | 46.1 | 49.1 | 52.7 | 52.2 | 51.2 | | |
| Pork | | | | | | | | | | | | |
| Retail value (cents/lb.) ² | 242.7 | 241.5 | 258.2 | 251.0 | 265.0 | 262.1 | 259.3 | 262.5 | 260.6 | 261.5 | | |
| Wholesale value (cents/lb.) ³ | 97.3 | 99.0 | 114.5 | 110.1 | 111.9 | 114.3 | 108.1 | 111.1 | 107.9 | 107.7 | | |
| Net farm value (cents/lb.)4 | 61.2 | 60.4 | 79.4 | 74.1 | 77.2 | 76.3 | 67.0 | 73.5 | 68.6 | 73.7 | | |
| Farm-retail spread (cents/lb.) | 181.5 | 181.1 | 178.8 | 176.9 | 187.8 | 185.8 | 192.3 | 189.0 | 192.0 | 187.8 | | |
| Wholesale-retail (cents/lb.) ⁵ | 145.4 | 142.5 | 143.7 | 140.9 | 153.1 | 147.8 | 151.2 | 151.4 | 152.7 | 153.8 | | |
| Farm-wholesale (cents/lb.)6 | 36.1 | 38.6 | 35.1 | 36.0 | 34.7 | 38.0 | 41.1 | 37.6 | 39.3 | 34.0 | | |
| Farm value-retail value (%) | 25.2 | 25.0 | 30.8 | 29.5 | 29.1 | 29.1 | 25.8 | 28.0 | 26.3 | 28.2 | | |

^{1.} Retail costs are based on CPI-U of retail prices for domestically produced farm foods, published monthly by the Bureau of Labor Statistics (BLS). Farm value is the payment for the quantity of farm equivalent to the retail unit, less allowance for by-product. Farm values are based on prices at first point of sale, and may include marketing charges such as grading and packing for some commodities. The farm-retail spread, the difference between the retail value and farm value, represents charges for assembling, processing, transporting and distributing. 2. Weighted-average value of retail cuts from pork and Choice yield grade 3 beef. Prices from BLS. 3. Value of wholesale (boxed beef) and wholesale cuts (pork) equivalent to 1 lb. of retail cuts adjusted for transportation costs and by-product values. 4. Market value to producer for live animal equivalent to 1 lb. of retail cuts, minus value of by-products. 5. Charges for retailing and other marketing services such as wholesaling and in-city transportation. 6. Charges for livestock marketing, processing, and transportation. Information contact: Veronica Jones (202) 694-5387, William F. Hahn (202) 694-5175

Table 9—Price Indexes of Food Marketing Costs_

| | Annual | | | 1999 | | | 2000 | | | |
|----------------------------------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 1998 | 1999 | 2000 | II | III | IV | | II | III | IV |
| | 1987=100* | | | | | | | | | |
| Labor—hourly earnings | | | | | | | | | | |
| and benefits | 490.4 | 503.3 | 514.0 | 503.5 | 504.2 | 506.7 | 508.2 | 512.0 | 514.1 | 521.8 |
| Processing | 499.3 | 511.4 | 525.0 | 512.1 | 513.4 | 515.6 | 518.1 | 523.4 | 526.9 | 531.5 |
| Wholesaling | 552.5 | 564.6 | 589.4 | 572.8 | 575.2 | 580.0 | 578.9 | 586.4 | 587.3 | 601.0 |
| Retailing | 454.1 | 465.8 | 469.9 | 464.2 | 463.8 | 465.4 | 467.1 | 467.8 | 465.2 | 477.3 |
| Packaging and containers | 395.5 | 399.4 | 412.0 | 396.4 | 403.0 | 407.7 | 410.3 | 410.6 | 413.5 | 413.7 |
| Paperboard boxes and containers | 365.2 | 373.0 | 407.7 | 368.3 | 380.2 | 387.8 | 391.9 | 413.0 | 412.4 | 413.5 |
| Metal cans | 487.9 | 486.6 | 452.5 | 486.6 | 486.6 | 486.6 | 489.5 | 440.1 | 440.1 | 440.1 |
| Paper bags and related products | 432.9 | 440.9 | 470.4 | 435.7 | 446.3 | 455.8 | 457.3 | 472.4 | 477.6 | 474.5 |
| Plastic films and bottles | 322.8 | 324.2 | 336.7 | 321.4 | 325.9 | 329.6 | 329.4 | 330.6 | 342.4 | 344.3 |
| Glass containers | 446.8 | 447.1 | 450.8 | 447.8 | 447.0 | 445.8 | 450.1 | 451.1 | 451.1 | 450.8 |
| Metal foil | 232.0 | 227.3 | 232.4 | 226.1 | 226.7 | 228.0 | 229.8 | 231.3 | 233.8 | 234.8 |
| Transportation services | 428.3 | 394.0 | 394.3 | 394.2 | 394.2 | 394.2 | 392.3 | 393.3 | 394.6 | 396.9 |
| Advertising | 624.5 | 623.7 | 635.7 | 622.9 | 623.9 | 625.6 | 633.6 | 635.0 | 635.7 | 638.6 |
| Fuel and power | 619.7 | 651.5 | 841.1 | 627.3 | 681.1 | 711.9 | 816.5 | 822.2 | 866.1 | 859.6 |
| Electric | 492.1 | 489.4 | 498.2 | 484.0 | 505.9 | 488.5 | 477.2 | 487.0 | 523.8 | 504.9 |
| Petroleum | 457.0 | 565.9 | 1,135.8 | 504.0 | 613.2 | 758.1 | 1,114.0 | 1,102.2 | 1,160.6 | 1,166.4 |
| Natural gas | 1,239.4 | 1,235.6 | 1,275.4 | 1,222.8 | 1,272.7 | 1,240.4 | 1,235.3 | 1,259.8 | 1,300.7 | 1,305.7 |
| Communications, water and sewage | 307.6 | 309.3 | 309.1 | 308.5 | 308.9 | 310.6 | 310.3 | 307.8 | 308.7 | 309.5 |
| Rent | 260.5 | 256.9 | 258.2 | 257.3 | 256.4 | 256.4 | 256.8 | 258.0 | 259.1 | 259.0 |
| Maintenance and repair | 529.3 | 541.6 | 561.2 | 540.7 | 542.5 | 545.3 | 552.2 | 558.3 | 564.7 | 569.7 |
| Business services | 522.9 | 531.9 | 544.6 | 530.2 | 533.3 | 536.1 | 540.3 | 543.2 | 545.9 | 548.8 |
| Supplies | 332.3 | 327.7 | 348.5 | 325.9 | 327.1 | 331.7 | 365.6 | 338.2 | 344.5 | 345.8 |
| Property taxes and insurance | 598.3 | 619.7 | 654.6 | 615.2 | 622.8 | 631.3 | 639.8 | 647.4 | 658.6 | 672.6 |
| Interest, short-term | 103.7 | 103.7 | 115.4 | 96.7 | 109.7 | 115.2 | 111.3 | 116.6 | 117.7 | 116.0 |
| Total marketing cost index | 467.2 | 472.2 | 491.5 | 470.7 | 475.2 | 479.1 | 486.7 | 488.8 | 493.1 | 497.2 |

Last two quarters preliminary. * Indexes measure changes in employee earnings and benefits and in prices of supplies used in processing, wholesaling, and retailing U.S. farm foods purchased for at-home consumption. *Information contact: Veronica Jones (202) 694-5387*

Livestock & Products

Table 10—U.S. Meat Supply & Use

| | | | | | | | Consum | | | Primary |
|--|---|--|---|--|---|---|--|---------------------------------|---|---|
| | Beg. stocks | Produc- tion ¹ | Imports | Total supply | Exports | Ending stocks | Total | Per capita ² | Conversion factor ³ | market price ⁴ |
| | | | | _Million lbs. ⁵ | | | | Lbs. | | \$/cwt |
| Beef 1997 1998 1999 2000 2001 | 377 465 393 411 525 | 25,490 25,760 26,493 26,888 25,701 | 2,344 2,643 2,874 3,032 3,080 | 28,211 28,868 29,760 30,331 29,306 | 2,136 2,171 2,417 2,516 2,550 | 465 393 411 525 390 | 25,611 26,305 26,932 27,290 26,366 | 67 68 69 69 66 | 0.700 0.700 0.700 0.700 0.700 | 66.32 61.48 65.56 69.65 75.38 |
| Pork 1997 1998 1999 2000 2001 | 366 408 584 489 477 | 17,274 19,011 19,308 18,952 19,330 | 634 705 827 967 1,000 | 18,274 20,124 20,720 20,408 20,807 | 1,044 1,230 1,278 1,305 1,350 | 408 584 489 477 525 | 16,823 18,309 18,952 18,626 18,932 | 49 53 54 52 53 | 0.776 0.776 0.776 0.776 0.776 | 54.30 34.72 34.00 44.70 41.38 |
| Veal ⁶ 1997 1998 1999 2000 2001 | 7 8 5 5 5 | 334 262 235 225 208 | 0 0 0 0 | 341 270 240 230 213 | 0 0 0 0 | 8 5 5 4 | 333 265 235 225 209 | 1 1 1 1 | 0.83 0.83 0.83 0.83 0.83 | 82 82 90 106 107 |
| Lamb and mutton 1997 1998 1999 2000 2001 | 9 14 12 9 13 | 260 251 248 234 217 | 83 112 113 129 135 | 352 377 372 372 365 | 6 6 5 6 4 | 14 12 9 13 10 | 332 360 358 353 351 | 1 1 1 1 | 0.89 0.89 0.89 0.89 | 88 74 76 79 81 |
| Total red meat 1997 1998 1999 2000 2001 | 759 894 994 914 1,020 | 43,358 45,284 46,284 46,299 45,456 | 3,061 3,461 3,813 4,128 4,215 | 47,178 49,639 51,092 51,341 50,691 | 3,185 3,407 3,700 3,827 3,904 | 894 994 914 1,020 929 | 43,099 45,239 46,477 46,494 45,858 | 118 123 125 124 121 | | |
| Broilers 1997 1998 1999 2000 2001 | 641 607 711 796 798 | 27,041 27,612 29,468 30,199 30,681 | 5 5 4 6 4 | 27,687 28,225 30,183 31,001 31,483 | 4,664 4,673 4,920 5,548 5,700 | 607 711 796 798 830 | 22,416 22,841 24,468 24,655 24,953 | 72 73 77 77 77 | 0.859 0.859 0.859 0.859 0.859 | ¢/lb 59 63 58 56 58 |
| Mature chickens 1997 1998 1999 2000 2001 | 6 7 6 8 9 | 510 525 554 531 524 | 0 0 0 0 | 516 533 562 541 535 | 384 426 393 223 200 | 7 6 8 9 10 | 125 101 162 308 325 | 1 1 1 1 | 1.0 1.0 1.0 1.0 1.0 | |
| Turkeys 1997 1998 1999 2000 2001 | 328 415 304 254 241 | 5,412 5,215 5,230 5,333 5,528 | 1 0 1 1 | 5,741 5,630 5.535 5,588 5,770 | 606 446 379 458 460 | 415 304 254 241 275 | 4,720 4,880 4,902 4,889 5,034 | 18 18 18 18 | 1.0 1.0 1.0 1.0 1.0 | 65 62 69 71 68 |
| Total poultry 1997 1998 1999 2000 2001 | 975 1,029 1,022 1,058 1,048 | 32,964 33,352 35,252 36,062 36,733 | 6 6 7 9 7 | 33.944 34,387 36.281 37,129 37.788 | 5.654 5.545 5.692 6.229 6.360 | 1,029 1,022 1,058 1,048 1,115 | 27.261 27,821 29,531 29,852 30,311 | 90 91 96 96 97 | | |
| Red meat and poultry 1997 1998 1999 2000 2001 | 1,734 1,923 2,016 1,972 2,068 | 76,321 78,637 81,537 82,361 82,189 | 3,067 3,467 3,820 4,137 4,222 | 81,123 84,027 87,372 88,470 88,479 | 8,839 8,951 9,392 10,056 10,264 | 1,923 2,016 1,972 2,068 2,044 | 70,360 73,060 76,008 76,346 76,169 | 208 214 220 219 218 | | |

^{-- =} Not available. Values for the last 2 years are forecasts. 1. Total including farm production for red meat and federally inspected plus nonfederally inspected for poultry. 2. Retail-weight basis. 3. Red meat, carcass to retail conversion; poultry, ready-to-cook production to retail weight. 4. Beef: Medium #1, Nebraska Direct 1,100-1,300 lb.; pork: barrows and gilts, lowa, Southern Minnesota; veal: farm price of calves; lamb and mutton: choice slaughter lambs, San Angelo; broilers: wholesale 12-city average; turkeys: wholesale NY 8-16 lb. young hens. 5. Carcass weight for red meats and certified ready-to-cook for poultry. 6. Beginning in 1989, veal trade is no longer reported separately. *Information contact: LaVerne Williams (202) 694-5190*

Table 11—U.S. Egg Supply & Use_

| | | | | | | | | Consur | nption | Primary |
|------|--------|------------|---------|---------|-----------|----------|--------|---------|--------|---------|
| | Beg. | | | Total | | Hatching | Ending | | Per | market |
| | stocks | Production | Imports | supply | Exports | use | stocks | Total | capita | price* |
| | | | | Mi | llion doz | | | | No. | ¢/doz. |
| 1994 | 10.7 | 6,177.6 | 3.7 | 6,192.0 | 187.6 | 805.4 | 14.9 | 5,184.1 | 238.7 | 67.3 |
| 1995 | 14.9 | 6,215.6 | 4.1 | 6,234.6 | 208.9 | 847.2 | 11.2 | 5,167.3 | 235.6 | 72.9 |
| 1996 | 11.2 | 6,350.7 | 5.4 | 6,367.3 | 253.1 | 863.8 | 8.5 | 5,241.8 | 236.8 | 88.2 |
| 1997 | 8.5 | 6,473.1 | 6.9 | 6,488.5 | 227.8 | 894.7 | 7.4 | 5,358.6 | 240.1 | 81.2 |
| 1998 | 7.4 | 6,657.9 | 5.8 | 6,671.2 | 218.8 | 921.8 | 8.4 | 5,522.2 | 244.9 | 75.8 |
| 1999 | 8.4 | 6,912.0 | 7.4 | 6,927.8 | 161.7 | 941.7 | 7.6 | 5,816.7 | 255.7 | 65.6 |
| 2000 | 7.6 | 7,034.6 | 8.4 | 7,050.6 | 171.8 | 940.2 | 11.4 | 5,927.2 | 258.2 | 68.9 |
| 2001 | 11.4 | 7,085.0 | 5.0 | 7,101.4 | 170.0 | 950.0 | 10.0 | 5,971.4 | 258.0 | 75.6 |

Values for the last year are forecasts. Values for previous year are preliminary. * Cartoned grade A large eggs, New York. Information contact: LaVerne Williams (202) 694-5190

Table 12—U.S. Milk Supply & Use¹_____

| | | _ | Comme | rcial | | Total | | Comm | ercial | | CCC net | removals |
|------|------------|------|---------|---------|---------------|---------|---------|--------|--------|--------------------|---------|--------------------|
| | | | Farm | _ | | commer- | CCC | | Disap- | | Skim | Total |
| | | Farm | market- | Beg. | | cial | net re- | Ending | pear- | All milk | solids | solids |
| | Production | use | ings | stocks | Imports | supply | movals | stocks | ance | price ¹ | basis | basis ² |
| | | | | Million | lbs. (milkfat | basis) | | | _ | \$/cwt | Billi | ion Ibs. |
| 1993 | 150.6 | 1.8 | 148.8 | 4.7 | 2.8 | 156.3 | 6.6 | 4.5 | 145.1 | 12.80 | 3.9 | 5.0 |
| 1994 | 153.6 | 1.7 | 151.9 | 4.5 | 2.9 | 159.3 | 4.8 | 4.3 | 150.3 | 12.97 | 3.7 | 4.2 |
| 1995 | 155.3 | 1.6 | 153.7 | 4.3 | 2.9 | 160.9 | 2.1 | 4.1 | 154.9 | 12.74 | 4.4 | 3.5 |
| 1996 | 154.0 | 1.5 | 153.5 | 4.1 | 2.9 | 159.5 | 0.1 | 4.7 | 154.7 | 14.74 | 0.7 | 0.5 |
| 1997 | 156.1 | 1.4 | 154.7 | 4.7 | 2.7 | 162.1 | 1.1 | 4.9 | 156.1 | 13.34 | 3.7 | 2.7 |
| 1998 | 157.4 | 1.4 | 156.1 | 4.9 | 4.6 | 165.5 | 0.4 | 5.3 | 159.9 | 15.42 | 4.0 | 2.6 |
| 1999 | 162.7 | 1.4 | 161.3 | 5.3 | 4.7 | 171.4 | 0.3 | 6.1 | 164.9 | 14.36 | 6.5 | 4.0 |
| 2000 | 167.7 | 1.3 | 166.3 | 6.1 | 4.4 | 176.9 | 0.8 | 6.9 | 169.2 | 12.34 | 8.6 | 5.5 |
| 2001 | 167.5 | 1.3 | 166.2 | 6.9 | 4.4 | 177.5 | 0.4 | 6.5 | 170.6 | 13.25 | 5.0 | 3.2 |

Values for latest year are forecasts. Values for the preceding year are preliminary. 1. Delivered to plants and dealers; does not reflect deductions.

Table 13—Poultry & Eggs_____

| . 55 – | | Annual | | | | 200 | 0 | | | 2001 |
|---|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|
| | 1998 | 1999 | 2000 | Jan | Aug | Sep | Oct | Nov | Dec | Jan |
| Broilers | | | | | | | | | | |
| Federally inspected slaughter | | | | | | | | | | |
| certified (mil. lb.) | 27,862.7 | 29,741.4 | 30,486.6 | 2,427.6 | 2,743.7 | 2,341.6 | 2,715.2 | 2,553.6 | 2,356.0 | 2,604.3 |
| Wholesale price, | | | | | | | | | | |
| 12-city (cents/lb.) | 63.0 | 58.1 | 56.2 | 55.4 | 55.5 | 58.4 | 57.2 | 58.2 | 57.2 | 56.9 |
| Price of grower feed (\$/ton) ¹ | 129.0 | 102.9 | 104.9 | 104.5 | 94.6 | 97.5 | 98.5 | 102.7 | 107.7 | 106.3 |
| Broiler-feed price ratio ² | 6.3 | 7.2 | 6.9 | 6.7 | 7.4 | 8.0 | 6.7 | 7.4 | 6.5 | 6.4 |
| Stocks beginning of period (mil. lb.) | 606.8 | 711.1 | 795.6 | 795.6 | 818.5 | 803.0 | 810.3 | 753.9 | 750.1 | 797.6 |
| Broiler-type chicks hatched (mil.) | 8,491.9 | 8,715.7 | 8,782.2 | 749.4 | 739.9 | 704.9 | 711.0 | 674.2 | 738.8 | 733.9 |
| Turkeys | | | | | | | | | | |
| Federally inspected slaughter | | | | | | | | | | |
| certified (mil. lb.) | 5,280.6 | 5,296.5 | 5,401.2 | 399.9 | 482.8 | 423.5 | 507.2 | 482.3 | 403.4 | 457.5 |
| Wholesale price, Eastern U.S. | | | | | | | | | | |
| 8-16 lb. young hens (cents/lb.) | 62.2 | 69.0 | 70.5 | 61.6 | 73.6 | 76.5 | 78.7 | 79.6 | 70.3 | 61.5 |
| Price of turkey grower feed (\$/ton) ¹ | 115.9 | 95.0 | 96.0 | 95.8 | 86.7 | 89.0 | 91.8 | 95.9 | 100.0 | 100.3 |
| Turkey-feed price ratio ² | 6.7 | 8.6 | 8.6 | 7.6 | 9.9 | 10.0 | 10.0 | 9.8 | 8.1 | 7.3 |
| Stocks beginning of period (mil. lb.) | 415.1 | 304.3 | 254.3 | 254.3 | 524.1 | 524.9 | 528.1 | 473.9 | 261.1 | 241.3 |
| Poults placed in U.S. (mil.) | 297.8 | 296.1 | 298.2 | 24.7 | 24.8 | 23.0 | 23.7 | 23.4 | 23.3 | 25.5 |
| Eggs | | | | | | | | | | |
| Farm production (mil.) | 79,927.0 | 82,943.0 | 84,412.0 | 7,157.0 | 7,104.0 | 6,854.0 | 7,130.0 | 7,027.0 | 7,279.0 | 7,210.0 |
| Average number of layers (mil.) | 313.0 | 322.9 | 328.2 | 328.6 | 325.8 | 326.2 | 328.2 | 330.7 | 332.0 | 333.2 |
| Rate of lay (eggs per layer | | | | | | | | | | |
| on farms) | 255.3 | 256.8 | 257.2 | 21.8 | 21.8 | 21.0 | 21.7 | 21.3 | 21.9 | 21.6 |
| Cartoned price, New York, grade A | | | | | | | | | | |
| large (cents/doz.)3 | 75.8 | 65.6 | 68.9 | 62.2 | 72.5 | 67.1 | 73.0 | 81.4 | 94.9 | 74.1 |
| Price of laying feed (\$/ton) ¹ | 137.7 | 125.4 | 125.8 | 120.3 | 104.8 | 117.1 | 110.5 | 111.3 | 111.1 | 123.3 |
| Egg-feed price ratio ² | 9.8 | 9.8 | 10.6 | 8.9 | 13.0 | 10.3 | 12.4 | 13.3 | 15.0 | 10.9 |
| Stocks, first of month | | | | | | | | | | |
| Frozen (mil. doz.) | 7.4 | 8.4 | 7.6 | 7.6 | 10.9 | 11.3 | 11.0 | 12.6 | 11.7 | 11.4 |
| Replacement chicks hatched (mil.) | 438.3 | 450.9 | 429.8 | 34.1 | 34.3 | 36.3 | 35.2 | 32.6 | 35.0 | 38.0 |

^{1.} Calculated from price ratios that were revised February 1995. 2. Pounds of feed equal in value to 1 dozen eggs or 1 lb. of broiler or turkey liveweight (revised February 1995). 3. Price of cartoned eggs to volume buyers for delivery to retailers. *Information contact: LaVerne Williams (202) 694-5190*

^{2.} Arbitrarily weighted average of milkfat basis (40 percent) and solids basis (60 percent). Information contact: Jim Miller (202) 694-5184

Table 14—Dairy___

| | | Annual | | | | 200 | 0 | | | 2001 |
|---|------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | 1998 | 1999 | 2000 | Jan | Aug | Sep | Oct | Nov | Dec | Jan |
| Class III (BFP before 2000) 3.5% fat (\$/cwt.) Wholesale prices | 14.20 | 12.43 | 9.74 | 10.05 | 10.13 | 10.76 | 10.02 | 8.57 | 9.37 | 9.99 |
| Butter, Central States (cents/lb.) ¹ Am. cheese, Wis. | 177.6 | 125.2 | 118.5 | 91.6 | 120.3 | 119.1 | 116.9 | 151.7 | 150.0 | 122.2 |
| assembly pt. (cents/lb.) | 158.1 | 142.3 | 116.2 | 114.6 | 125.5 | 133.4 | 109.4 | 107.5 | 113.0 | 110.2 |
| Nonfat dry milk (cents/lb.) ² | 106.9 | 103.5 | 101.6 | 100.9 | 102.3 | 102.4 | 102.3 | 103.1 | 104.3 | 103.6 |
| USDA net removals Total (mil. lb.) ³ | 365.6 | 343.5 | 841.4 | 88.4 | 45.9 | 37.8 | 33.8 | 83.7 | 49.0 | 30.6 |
| Butter (mil. lb.) | 6.3 | 3.7 | 8.9 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Am. cheese (mil. lb.) | 8.2 | 4.6 | 28.0 | 0.4 | 1.5 | 0.9 | 1.2 | 6.7 | 4.2 | 1.6 |
| Nonfat dry milk (mil. lb.) | 326.4 | 540.6 | 692.6 | 60.3 | 50.5 | 40.1 | 50.4 | 45.5 | 44.8 | 70.6 |
| Milk | | | | | | | | | | |
| Milk prod. 20 states (mil. lb.) | 134,900 | 140,062 | 144,528 | 12,259 | 11,928 | 11,451 | 11,813 | 11,385 | 11,855 | 12,073 |
| Milk per cow (lb.) | 17,502 | 18,109 | 18,532 | 1,579 | 1,525 | 1,464 | 1,511 | 1,459 | 1,519 | 1,550 |
| Number of milk cows (1,000) | 7,708 157,348 | 7,734 162,716 | 7,799 167,658 | 7,764 14,268 | 7,820 13,797 | 7,820 13,241 | 7,817 13,714 | 7,805 13,212 | 7,803 13,752 | 7,791 13,992 |
| U.S. milk production (mil. lb.) ⁴ Stocks, beginning ³ | 137,340 | 102,710 | 107,000 | 14,200 | 13,797 | 13,241 | 13,714 | 13,212 | 13,732 | 13,992 |
| Total (mil. lb.) | 4,907 | 5,301 | 6,179 | 6,179 | 10,971 | 9,912 | 9,037 | 7,966 | 6,964 | 7,002 |
| Commercial (mil. lb.) | 4,889 | 5,274 | 6,135 | 6,135 | 10,835 | 9,778 | 8,904 | 7,836 | 6,830 | 6,863 |
| Government (mil. lb.) | 18 | 28 | 44 | 44 | 135 | 134 | 133 | 130 | 134 | 139 |
| Imports, total (mil. lb.) 3 | 4,588 | 4,772 | 4,445 | 265 | 443 | 300 | 359 | 383 | 352 | |
| Commercial disappearance (mil. lb.) ³ | 159,779 | 164,915 | 169,205 | 12,178 | 15,139 | 14,268 | 14,994 | 14,408 | 13,910 | |
| Butter | | | | | | | | | | |
| Production (mil. lb.) | 1,168.0 | 1,275.0 | 1,304.8 | 142.3 | 85.6 | 91.6 | 106.2 | 105.1 | 115.9 | 128.4 |
| Stocks, beginning (mil. lb.) Commercial disappearance (mil. lb.) | 20.5 1,222.5 | 25.9 1,308.6 | 24.9 1,329.8 | 24.9 83.6 | 136.5 126.0 | 100.9 109.2 | 84.6 134.9 | 58.0 137.3 | 27.1 119.7 | 24.0 |
| American cheese | 1,222.0 | 1,000.0 | 1,020.0 | 00.0 | 120.0 | 100.2 | 104.0 | 107.0 | 110.7 | |
| Production (mil. lb.) | 3,314.7 | 3,576.5 | 3,678.3 | 316.7 | 301.6 | 287.6 | 295.4 | 283.8 | 299.4 | 300.6 |
| Stocks, beginning (mil. lb.) | 410.3 | 407.6 | 458.0 | 458.0 | 628.1 | 609.3 | 576.5 | 546.0 | 521.8 | 521.1 |
| Commercial disappearance (mil. lb.) | 3,338.6 | 3,586.1 | 3,632.5 | 265.0 | 327.2 | 321.1 | 325.4 | 303.6 | 299.1 | |
| Other cheese | | | | | | | | | | |
| Production (mil. lb.) | 4,177.5 | 4,367.5 | 4,585.4 | 370.2 | 384.9 | 367.5 | 396.2 | 388.1 | 390.6 | 377.9 |
| Stocks, beginning (mil. lb.) | 70.0 | 109.5 | 163.3 | 163.3 | 242.0 | 230.2 | 203.9 | 185.3 | 173.4 | 185.2 |
| Commercial disappearance (mil. lb.) | 4,452.0 | 4,678.1 | 4,928.1 | 338.9 | 427.1 | 424.2 | 452.4 | 440.2 | 414.4 | |
| Nonfat dry milk Production (mil. lb.) | 1,135.4 | 1,378.2 | 1,460.4 | 133.6 | 104.5 | 96.3 | 100.6 | 98.9 | 119.0 | 117.5 |
| Stocks, beginning (mil. lb.) | 103.3 | 56.9 | 115.5 | 115.5 | 189.6 | 152.1 | 130.0 | 120.8 | 109.9 | 119.0 |
| Commercial disappearance (mil. lb.) | 866.9 | 791.1 | 771.1 | 43.1 | 92.2 | 78.8 | 59.6 | 65.0 | 65.1 | |
| Frozen dessert | | | | | | | | | | |
| Production (mil. gal.) ⁵ | 1,324.3 | 1,311.8 | 1,304.6 | 83.8 | 123.1 | 103.3 | 103.0 | 87.1 | 79.6 | 90.3 |
| | | Annual | | | 1999 | | | 200 | | |
| | 1998 | 1999 | 2000 | II | III | IV | I | II | III | IV |
| Milk production (mil. lb.) | 157,348 | 162,716 | 167,658 | 42,021 | 39,766 | 40,440 | 42,630 | 43,189 | 41,161 | 40,678 |
| Milk per cow (lb.) | 17,189 | 17,772 | 18,204 | 4,590 | 4,336 | 4,410 | 4,640 | 4,688 | 4,460 | 4,416 |
| No. of milk cows (1,000) | 9,154 | 9,156 | 9,210 | 9,155 | 9,171 | 9,171 | 9,188 | 9,213 | 9,229 | 9,211 |
| Milk-feed price ratio | 1.97 | 2.03 | 1.75 | 1.81 | 2.12 | 1.99 | 1.68 | 1.67 | 1.84 | 1.81 |
| Returns over concentrate costs (\$/cwt milk) | 12.15 | 11.40 | 9.40 | 9.90 | 11.90 | 10.95 | 8.95 | 9.05 | 9.85 | 9.80 |

^{-- =} Not available. Quarterly values for latest year are preliminary. 1. Grade AA Chicago before June 1998. 2. Prices paid f.o.b. Central States production area. 3. Milk equivalent, fat basis. 4. Monthly data ERS estimates. 5. Hard ice cream, ice milk, and hard sherbet. *Information contact: LaVerne Williams* (202) 694-5190

Table 15—Wool_____

| | | Annual | | | 1999 | | 2000 | | | | |
|--|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | 1997 | 1998 | 1999 | II | III | IV | | II | III | IV | |
| U.S. wool price (¢/lb.) 1 | 238 | 162 | 110 | 116 | 110 | 98 | 97 | 120 | 117 | 96 | |
| Imported wool price (¢/lb.) ² | 206 | 164 | 136 | 142 | 133 | 125 | 133 | 139 | 139 | 136 | |
| U.S. mill consumption, scoured | | | | | | | | | | | |
| Apparel wool (1,000 lb.) | 130,386 | 98,373 | 65,468 | 16,815 | 15,793 | 13,633 | 17,142 | 15,655 | 14,132 | 13,365 | |
| Carpet wool (1,000 lb.) | 13,576 | 16,331 | 15,017 | 3,581 | 3,183 | 2,966 | 3,784 | 3,327 | 3,650 | 3,753 | |

^{1.} Wool price delivered at U.S. mills, clean basis, Graded Territory 64's (20.60-22.04 microns) staple 2-3/4" and up. 2. Wool price, Charleston, SC warehouse, clean basis, Australian 60/62's, type 64A (24 micron). Duty since 1982 has been 10 cents.

Information contact: Mae Dean Johnson (202) 694-5299

Table 16—Meat Animals_

| Annual 2000 2001 Feb Sep Oct Nov Dec Jan Feb Set Dec Jan Set Dec Jan Feb Dec Jan Feb Dec Jan Jan Jan Dec Jan Jan |
|--|
| 1000+ head capacity) Number on feed (1,000 head) 1 9,455 9,021 9,752 9,885 8,972 9,502 10,192 10,213 10,176 10,222 Placed on feed (1,000 head) 19,697 21,446 21,875 1,606 2,286 2,387 1,678 1,440 1,965 1,331 Marketings (1,000 head) 19,440 20,124 20,644 1,749 1,708 1,647 1,568 1,500 1,751 1,477 Other disappearance (1,000 head) 691 676 907 47 48 50 89 77 68 64 Market prices (\$/cwt) Slaughter cattle Choice steers, 1,100-1,300 lb. Texas 61.75 65.89 69.86 68.88 65.43 68.51 72.19 76.41 78.79 79.40 Neb. direct 61.47 65.56 69.65 68.24 65.14 67.93 72.16 77.01 78.46 79.71 Boning utility cows, Sioux Falls 36.20 38.40 41.71 38.88 41.88 38.25 39.38 42.19 41.75 43.34 Feeder steers Medium no. 1, Oklahoma City 600-650 lb. 78.13 82.64 94.36 94.63 89.27 89.45 93.73 95.29 92.96 97.67 750-800 lb. 78.13 82.64 94.36 94.63 89.27 89.45 93.73 95.29 92.96 97.67 750-800 lb. 71.79 76.39 88.58 83.81 83.64 85.96 89.80 90.53 87.23 86.05 Slaughter hogs Barrows and gilts, 51-52 percent lean National Base converted to live equiv. 34.72 34.00 34.02 41.58 43.49 43.09 37.84 41.40 38.61 41.47 |
| Placed on feed (1,000 head) 19,697 21,446 21,875 1,606 2,286 2,387 1,678 1,440 1,965 1,331 Marketings (1,000 head) 19,440 20,124 20,644 1,749 1,708 1,647 1,568 1,500 1,751 1,477 Other disappearance (1,000 head) 691 676 907 47 48 50 89 77 68 64 Market prices (\$/cwt) Slaughter cattle Choice steers, 1,100-1,300 lb. Texas 61.75 65.89 69.86 68.88 65.43 68.51 72.19 76.41 78.79 79.40 Neb. direct 61.47 65.56 69.65 68.24 65.14 67.93 72.16 77.01 78.46 79.71 Boning utility cows, Sioux Falls 36.20 38.40 41.71 38.88 41.88 38.25 39.38 42.19 41.75 43.34 Feeder steers Medium no. 1, Oklahoma City 600-650 lb. 78.13 82.64 94.36 94.63 89.27 89.45 93.73 95.29 92.96 97.67 750-800 lb. 71.79 76.39 88.58 83.81 83.64 85.96 89.80 90.53 87.23 86.05 Slaughter hogs Barrows and gilts, 51-52 percent lean National Base converted to live equiv. 34.72 34.00 34.02 41.58 43.49 43.09 37.84 41.40 38.61 41.47 |
| Other disappearance (1,000 head) 691 676 907 47 48 50 89 77 68 64 Market prices (\$/cwt) Slaughter cattle Choice steers, 1,100-1,300 lb. Texas 61.75 65.89 69.86 68.88 65.43 68.51 72.19 76.41 78.79 79.40 Neb. direct 61.47 65.56 69.65 68.24 65.14 67.93 72.16 77.01 78.46 79.71 Boning utility cows, Sioux Falls 36.20 38.40 41.71 38.88 41.88 38.25 39.38 42.19 41.75 43.34 Feeder steers Medium no. 1, Oklahoma City 600-650 lb. 78.13 82.64 94.36 94.63 89.27 89.45 93.73 95.29 92.96 97.67 750-800 lb. 71.79 76.39 88.58 83.81 83.64 85.96 89.80 90.53 87.23 86.05 Slaughter hogs Barrows and gilts, 51-52 percent lean National Base converted to live equiv. 34.72 34.00 34.02 41.58 43.49 43.09 37.84 41.40 38.61 41.47 |
| Market prices (\$/cwt) Slaughter cattle Choice steers, 1,100-1,300 lb. Texas 61.75 65.89 69.86 68.88 65.43 68.51 72.19 76.41 78.79 79.40 Neb. direct 61.47 65.56 69.65 68.24 65.14 67.93 72.16 77.01 78.46 79.71 Boning utility cows, Sioux Falls 36.20 38.40 41.71 38.88 41.88 38.25 39.38 42.19 41.75 43.34 Feeder steers Medium no. 1, Oklahoma City 600-650 lb. 78.13 82.64 94.36 94.63 89.27 89.45 93.73 95.29 92.96 97.67 750-800 lb. 71.79 76.39 88.58 83.81 83.64 85.96 89.80 90.53 87.23 86.05 Slaughter hogs Barrows and gilts, 51-52 percent lean National Base converted to live equiv. 34.72 34.00 34.02 41.58 43.49 43.09 37.84 41.40 38.61 41.47 |
| Slaughter cattle Choice steers, 1,100-1,300 lb. Texas 61.75 65.89 69.86 68.88 65.43 68.51 72.19 76.41 78.79 79.40 Neb. direct 61.47 65.56 69.65 68.24 65.14 67.93 72.16 77.01 78.46 79.71 Boning utility cows, Sioux Falls 36.20 38.40 41.71 38.88 41.88 38.25 39.38 42.19 41.75 43.34 Feeder steers Medium no. 1, Oklahoma City 600-650 lb. 78.13 82.64 94.36 94.63 89.27 89.45 93.73 95.29 92.96 97.67 750-800 lb. 71.79 76.39 88.58 83.81 83.64 85.96 89.80 90.53 87.23 86.05 Slaughter hogs Barrows and gilts, 51-52 percent lean National Base converted to live equiv. 34.72 34.00 34.02 41.58 43.49 43.09 37.84 41.40 38.61 41.47 |
| Neb. direct 61.47 65.56 69.65 68.24 65.14 67.93 72.16 77.01 78.46 79.71 Boning utility cows, Sioux Falls 36.20 38.40 41.71 38.88 41.88 38.25 39.38 42.19 41.75 43.34 Feeder steers Medium no. 1, Oklahoma City 78.13 82.64 94.36 94.63 89.27 89.45 93.73 95.29 92.96 97.67 750-800 lb. 71.79 76.39 88.58 83.81 83.64 85.96 89.80 90.53 87.23 86.05 Slaughter hogs Barrows and gilts, 51-52 percent lean National Base converted to live equiv. 34.72 34.00 34.02 41.58 43.49 43.09 37.84 41.40 38.61 41.47 |
| Boning utility cows, Sioux Falls 36.20 38.40 41.71 38.88 41.88 38.25 39.38 42.19 41.75 43.34 Feeder steers Medium no. 1, Oklahoma City 600-650 lb. 78.13 82.64 94.36 94.63 89.27 89.45 93.73 95.29 92.96 97.67 750-800 lb. 71.79 76.39 88.58 83.81 83.64 85.96 89.80 90.53 87.23 86.05 Slaughter hogs Barrows and gilts, 51-52 percent lean National Base converted to live equiv. 34.72 34.00 34.02 41.58 43.49 43.09 37.84 41.40 38.61 41.47 |
| 600-650 lb. 78.13 82.64 94.36 94.63 89.27 89.45 93.73 95.29 92.96 97.67 750-800 lb. 71.79 76.39 88.58 83.81 83.64 85.96 89.80 90.53 87.23 86.05 Slaughter hogs Barrows and gilts, 51-52 percent lean National Base converted to live equiv. 34.72 34.00 34.02 41.58 43.49 43.09 37.84 41.40 38.61 41.47 |
| 750-800 lb. 71.79 76.39 88.58 83.81 83.64 85.96 89.80 90.53 87.23 86.05 Slaughter hogs Barrows and gilts, 51-52 percent lean National Base converted to live equiv. 34.72 34.00 34.02 41.58 43.49 43.09 37.84 41.40 38.61 41.47 |
| Barrows and gilts, 51-52 percent lean National Base converted to live equiv. 34.72 34.00 34.02 41.58 43.49 43.09 37.84 41.40 38.61 41.47 |
| · |
| Court laws C MN 4 0 200 400 lb 20 20 40 00 00 70 00 00 70 04 45 00 00 00 00 07 00 40 |
| Sows, Iowa, S.MN 1-2 300-400 lb. 20.29 19.26 29.79 25.35 30.72 31.45 26.90 29.59 27.89 29.48 |
| Slaughter sheep and lambs Lambs, Choice, San Angelo 74.20 75.96 79.40 76.83 82.00 77.50 76.70 75.33 81.25 87.00 |
| Lambs, Choice, San Angelo 74.20 75.96 79.40 76.83 82.00 77.50 76.70 75.33 81.25 87.00 Ewes, Good, San Angelo 40.86 42.45 46.23 51.92 43.43 43.18 45.85 47.17 51.88 56.75 Feeder lambs |
| Choice, San Angelo 79.86 80.74 95.86 99.54 93.89 92.00 103.65 102.17 109.63 117.00 |
| Wholesale meat prices, Midwest Boxed beef cut-out value |
| Choice, 700-800 lb. 98.60 110.90 117.45 112.81 108.56 112.66 119.09 129.60 128.00 129.53 Select, 700-800 lb. 92.19 101.99 101.99 106.88 102.08 102.02 110.29 120.50 121.70 125.01 |
| Canner and cutter cow beef 61.49 66.51 72.57 72.38 69.57 70.08 72.11 73.55 |
| Pork cutout 53.08 53.45 64.07 61.43 63.22 62.40 56.75 60.15 58.62 61.47 |
| Pork loins, bone-in, 1/4 " trim,14-19 lb. 101.63 100.38 117.13 110.66 119.22 119.90 104.19 114.68 110.80 114.32 Pork bellies, 12-14 lb. 52.38 57.12 77.46 82.40 63.94 57.83 54.97 58.36 66.61 66.68 |
| Hams, bone-in, trimmed, 20-27 lb. 45.85 45.18 52.02 45.43 59.87 55.94 51.02 47.98 43.86 54.38 |
| |
| All fresh beef retail price 253.28 260.50 275.30 270.10 280.90 280.60 279.60 280.40 292.40 297.90 |
| Commercial slaughter (1,000 head) ² Cattle 35,465 36,150 36,247 2,937 3,035 3,142 2,931 2,719 3,002 |
| Steers 17,428 17,932 18,060 1,396 1,516 1,479 1,393 1,305 1,423 |
| Heifers 11,448 11,868 12,041 1,046 1,022 1,100 972 896 979 Cows 5.983 5,710 5,522 445 444 508 516 475 549 |
| Cows 5,983 5,710 5,522 445 444 508 516 475 549 Bull and stags 606 639 624 50 52 54 50 43 51 |
| Calves 1,458 1,282 1,132 95 93 97 92 92 91 |
| Sheep and lambs 3,804 3,701 3,455 294 269 279 296 301 269 |
| Hogs 101,029 101,544 97,955 8,077 8,118 8,881 8,757 8,094 8,643 Barrows and gilts 97,025 97,732 94,585 7,816 7,840 8,579 8,458 7,829 8,339 |
| Commercial production (mil. lb.) |
| Beef 25,653 26,386 26,776 2,175 2,275 2,345 2,169 1,998 2,205 |
| Veal 252 226 216 18 17 18 18 18 |
| Lamb and mutton 248 244 230 20 17 18 20 21 19 Pork 18,981 19,278 18,905 1,558 1,552 1,715 1,712 1,583 1,693 |
| |
| Annual 1999 2000 2001 1998 1999 2000 III IV I II III IV I |
| Hogs and pigs (U.S.) ³ |
| Inventory (1,000 head) ¹ 61,158 62,206 59,342 60,776 60,776 59,342 57,782 59,137 60,065 59,848 |
| Breeding (1,000 head) ¹ 6,957 6,682 6,234 6,515 6,301 6,234 6,190 6,234 6,246 6,275 Market (1,000 head) ¹ 54,200 55,523 53,109 54,380 54,474 53,109 51,593 52,904 53,280 53,573 |
| Farrowings (1,000 head) 12,061 11,641 11,462 2,920 2,844 2,798 2,890 2,899 2,875 2,906 |
| Pig crop (1,000 head) 105,004 102,354 101,354 25,862 24,973 24,522 25,610 25,686 25,536 |
| Cattle on feed, 7 states (1,000 head) ⁴ |
| Steers and steer calves 5,803 5,432 5,432 4,849 5,286 5,768 5,736 5,326 5,584 5,936 Heifers and heifer calves 3,615 3,552 3,552 3,302 3,479 3,942 3,800 3,602 3,877 4,081 |
| Cows and bulls 59 37 37 44 28 42 37 31 41 59 |

^{-- =} Not available. 1. Beginning of period. 2. Classes estimated. 3. Quarters are Dec. of preceding year to Feb. (I), Mar.-May (II), June-Aug. (III), and Sept.-Nov. (IV). 4. Beginning of period. The 7 states include AZ, CA, CO, IA, KS, NE, and TX. Information contact: Leland Southard (202) 694-5187

Crops & Products Table 17—Supply & Utilization^{1,2}

| | | Area | | | | | Feed | Other | | | | |
|-------------------------|----------------------------|---------------|--------------|--------------------|------------------|------------------|----------------|----------------------|----------------|------------------|----------------|----------------------------|
| | Set- aside ³ | Planted | Harvested | Yield | Production | Total | & residual | domestic use | Exports | Total use | Ending stocks | Farm price ⁵ |
| | asiue | Mil. acres | | Bu./acre | Troduction | Зирріу | residual | Mil. bu. | Ехропа | u36 | 310013 | \$/bu. |
| Wheat | | | , | 24.74010 | | | | | | | | φ/ εα. |
| 1996/97 | | 75.1 | 62.8 | 36.3 39.5 | 2,277 2,481 | 2,746 3,020 | 308 251 | 993 1,007 | 1,002 1,040 | 2,302 2,298 | 444 722 | 4.30 3.38 |
| 1997/98 1998/99 | | 70.4 65.8 | 62.8 59.0 | 43.2 | 2,461 | 3,373 3,339 | 394 | 990 | 1,042 | 2,427 2,390 | 946 | 2.65 |
| 1999/00* 2000/01* | | 62.7 | 53.8 53.0 | 42.7 41.9 | 2,547 2,299 | 3,339 3,268 | 284 300 | 1,016 1,034 | 1,090 1,100 | 2,390 | 950 834 | 2.48 |
| 2000/01 | | 62.5 | | | 2,223 | 3,200 | | | | 2,434 | 034 | 2.60-2.70 |
| Rice ⁶ | | _Mil. acres | 5 | Lb./acre | | | IVIII. | cwt (rough ed | Juiv) | | | \$/cwt |
| 1996/97 | | 2.8 | 2.8 | 6,120.0 | 171.6 | 207.2 | | 6/ 101.6 | 78.3 | 179.9 | 27.2 | 9.96 |
| 1997/98 1998/99 | | 3.1 3.3 | 3.1 3.3 | 5,897.0 5,663.0 | 183.0 184.4 | 219.5 223.0 | | 6/ 103.9 6/ 114.0 | 87.7 86.8 | 191.6 200.9 | 27.9 22.1 | 9.70 8.89 |
| 1999/00* | | 3.5 | 3.5 | 5,866.0 | 206.0 | 238.2 | | 6/ 121.9 | 88.9 | 210.7 | 27.5 | 5.93 |
| 2000/01* | | 3.1 | 3.0 | 6,278.0 | 191.1 | 228.6 | | 6/ 123.0 | 81.0 | 204.0 | 24.6 | 5.60-5.80 |
| Corn | | _Mil. acres | <u> </u> | Bu./acre | | | | Mil. bu | | | | \$/bu. |
| Corn 1996/97 | | 79.2 | 72.6 | 127.1 | 9,233 | 9,672 | 5,277 | 1,714 | 1,797 | 8,789 | 883 | 2.71 |
| 1997/98 | | 79.5 | 72.7 | 126.7 | 9,207 | 10,099 | 5,482 | 1.805 | 1,504 | 8,791 | 1,308 | 2.43 |
| 1998/99 1999/00* | | 80.2 77.4 | 72.6 70.5 | 134.4 133.8 | 9,759 9,431 | 11,085 11,232 | 5,471 5,664 | 1,846 1,913 | 1,981 1,937 | 9,298 9,515 | 1,787 1,718 | 1.94 1.82 |
| 2000/01* | | 79.5 | 72.7 | 137.1 | 9,968 | 11,696 | 5,775 | 1,980 | 2,000 | 9,755 | 1,941 | 1.70-1.90 |
| | | _Mil. acres | S | Bu./acre | | | | Mil. bu | | | | \$/bu. |
| Sorghum | | 10.1 | 44.0 | 07.0 | 705 | 04.4 | F40 | 45 | 205 | 700 | 47 | 0.04 |
| 1996/97 1997/98 | | 13.1 10.1 | 11.8 9.2 | 67.3 69.2 | 795 634 | 814 681 | 516 365 | 45 55 | 205 212 | 766 632 | 47 49 | 2.34 2.21 |
| 1998/99 | | 9.6 | 7.7 | 67.3 | 520 | 569 | 262 | 45 | 197 | 504 | 65 | 1.66 |
| 1999/00* 2000/01* | | 9.3 9.2 | 8.5 7.7 | 69.7 60.9 | 595 470 | 660 535 | 284 240 | 55 50 | 256 200 | 595 490 | 65 45 | 1.57 1.65-1.85 |
| 2000/01 | | _Mil. acres | | Bu./acre | | 000 | 2.0 | Mil. bu. | 200 | .00 | | \$/bu. |
| Barley | | _ | | | | | | | | | | |
| 1996/97 1997/98 | | 7.1 6.7 | 6.7 6.2 | 58.5 58.1 | 392 360 | 529 510 | 217 144 | 172 172 | 31 74 | 419 390 | 109 119 | 2.74 2.38 |
| 1998/99 | | 6.3 | 5.9 | 60.0 | 352 | 501 | 161 | 170 | 28 | 360 | 142 | 1.98 |
| 1999/00* 2000/01* | | 5.2 5.8 | 4.7 5.2 | 59.2 61.1 | 280 318 | 450 454 | 136 120 | 172 172 | 30 55 | 338 347 | 111 107 | 2.13 2.10-2.20 |
| 2000/01 | | _Mil. acres | | Bu./acre | 310 | 404 | 120 | Mil. bu. | 55 | 341 | 107 | 2.10-2.20 \$/bu. |
| Oats | | _iviii. acres | · | Du./acre | | | | iviii. Du | | | | φ/Du. |
| 1996/97 | | 4.6 | 2.7 | 57.7 | 153 | 317 | 172 | 76 70 | 3 | 250 | 67 | 1.96 |
| 1997/98 1998/99 | | 5.1 4.9 | 2.8 2.8 | 59.5 60.2 | 167 166 | 332 348 | 185 196 | 72 69 | 2 2 | 258 266 | 74 81 | 1.60 1.10 |
| 1999/00* | | 4.7 | 2.5 | 59.6 | 146 | 326 | 180 | 68 | 2 | 250 | 76 | 1.12 |
| 2000/01* | | 4.5 | 2.3 | 64.2 | 149 | 330 | 175 | 68 | 2 | 245 | 85 | 1.05-1.15 |
| Soybeans ⁷ | | Mil. acres | 3 | Bu./acre | | | | Mil. bu | | | | \$/bu. |
| 1996/97 | | 64.2 | 63.3 | 37.6 | 2,380 | 2,573 | 123 | 1,436 | 882 | 2,441 | 132 | 7.35 |
| 1997/98 1998/99 | | 70.0 72.0 | 69.1 70.4 | 38.9 38.9 | 2,689 2,741 | 2,826 2,944 | 156 201 | 1,597 1,590 | 873 805 | 2,626 2,595 | 200 348 | 6.47 4.93 |
| 1999/00* | | 73.7 | 72.4 | 36.6 | 2.654 | 3,006 | 164 | 1,579 | 973 | 2,716 | 290 | 4.63 |
| 2000/01* | | 74.5 | 72.7 | 38.1 | 2,770 | 3,063 | 168 | 1,590 | 975 | 2,733 | 330 | 4.45-4.65 |
| | | | | | | | | Mil. lbs | | | | ¢/lb. |
| 1996/97 | | | | | 15,752 | 17,821 | | 14,263 | 2,037 | 16,300 | 1,520 | 22.50 |
| 1997/98 1998/99 | | | | | 18,143 18,081 | 19,723 19,546 | | 15,262 | 3,079 2,372 | 18,341 18,027 | 1,382 1,520 | 25.84 19.90 |
| 1999/00* | | | | | 17,824 | 19,340 | | 15,655 16,055 | 1,376 | 17,432 | 1,995 | 15.60 |
| 2000/01* | | | | | 17,860 | 19,930 | | 16,300 | 1,400 | 17,700 | | 12.75-14.25 |
| | | | | | | | | 1,000 tons_ | | | | \$/ton8 |
| Soybean meal 1996/97 | | | | | 34,210 | 34,524 | | 27,320 | 6,994 | 34,314 | 210 | 270.9 |
| 1997/98 | | | | | 38,176 | 38,443 | | 28,895 | 9,329 | 38,225 | 218 | 185.5 |
| 1998/99 1999/00* | | | | | 37,792 37,623 | 38,109 38,003 | | 30,657 30,378 | 7,122 7,331 | 37,779 37,710 | 330 293 | 138.5 167.7 |
| 2000/01* | | | | | 38,032 | 38,375 | | 31,350 | 6,750 | 38,100 | 293 275 | 170-180 |
| See footnotes a | at end of ta | ble, next p | age | | | | | | | | | |

Table 17—Supply & Utilization (continued)

| | | Area | | | | | Feed | Other | | | | |
|---------------------|----------------------------|------------|-----------|----------|------------|------------------------------|---------------|-----------------|---------|--------------|---------------|----------------------------|
| | Set- aside ³ | Planted | Harvested | Yield | Production | Total supply ⁴ | & residual | domestic use | Exports | Total use | Ending stocks | Farm price ⁵ |
| | | Mil. acres | <u> </u> | Lb./acre | | | | Mil. bales | S | | | ¢/lb. |
| Cotton ⁹ | | | | | | | | | | | | |
| 1996/97 | 1.7 | 14.7 | 12.9 | 705 | 18.9 | 22.0 | | 11.1 | 6.9 | 18.0 | 4.0 | 69.3 |
| 1997/98 | 0.3 | 13.9 | 13.4 | 673 | 18.8 | 22.8 | | 11.3 | 7.5 | 18.8 | 3.9 | 65.2 |
| 1998/99 | | 13.4 | 10.7 | 625 | 13.9 | 18.2 | | 10.4 | 4.3 | 14.7 | 3.9 | 60.2 |
| 1999/00* | | 14.9 | 13.4 | 607 | 17.0 | 21.0 | | 10.2 | 6.8 | 17.0 | 3.9 | 45.0 |
| 2000/01* | | 15.5 | 13.1 | 631 | 17.2 | 21.2 | | 9.5 | 6.9 | 16.4 | 4.8 | |

^{-- =} Not available or not applicable. *March 8, 2001 Supply and Demand Estimates. 1. Marketing year beginning June 1 for wheat, barley, and oats; August 1 for cotton and rice; September 1 for soybeans, corn, and sorghum; October 1 for soymeal and soyoil. 2. Conversion factors: hectare (ha.) = 2.471 acres, 1 metric ton = 2,204.622 pounds, 36.7437 bushels of wheat or soybeans, 39.3679 bushels of corn or sorghum, 45.9296 bushels of barley, 68.8944 bushels of oats, 22.046 cwt of rice, and 4.59 480-pound bales of cotton. 3. Includes diversion, acreage reduction, 50-92, & 0-92 programs. 0/92 & 50/92 set-aside includes idled acreage and acreage planted to minor oilseeds, sesame, and crambe. 4. Includes imports. 5. Marketing-year weighted average price received by farmers. Does not include an allowance for loans outstanding and government purchases. 6. Residual included in domestic use. 7. Includes seed. 8. Simple average of 48 percent protein, Decatur. 9. Upland and extra-long staple. Stocks estimates based on Census Bureau data, resulting in an unaccounted difference between supply and use estimates and changes in ending stocks. Information contacts: Wheat, rice, and feed grains, Jenny Gonzales (202) 694-5296; soybeans, soybean products, and cotton, Mae Dean Johnson (202) 694-5299

Table 18—Cash Prices, Selected U.S. Commodities

| | | | 1 | | | | | | | |
|--|---------|--------------|-----------|--------|--------|--------|--------|--------|--------|--------|
| | Ma | arketing yea | | | | 200 | | | | 2001 |
| | 1997/98 | 1998/99 | 1999/2000 | Jan | Aug | Sep | Oct | Nov | Dec | Jan |
| Wheat, no. 1 HRW, | | | | | | | | | | |
| Kansas City (\$/bu.) ² Wheat, DNS, | 3.71 | 3.08 | 2.87 | 2.90 | 2.89 | 3.13 | 3.41 | 3.45 | 3.47 | 3.54 |
| Minneapolis (\$/bu.) ³ | 4.31 | 3.83 | 3.65 | 3.37 | 3.29 | 3.17 | 3.69 | 3.77 | 3.52 | 3.79 |
| Rice, S.W. La. (\$/cwt) ⁴ | 18.92 | 16.79 | 12.99 | 13.00 | 11.69 | 11.88 | 12.45 | 12.69 | 12.75 | 12.75 |
| Corn, no. 2 yellow, 30-day, | | | | | | | | | | |
| Chicago (\$/bu.) | 2.56 | 2.06 | 1.97 | 2.05 | 1.61 | 1.67 | 1.91 | 2.06 | 2.06 | 2.03 |
| Sorghum, no. 2 yellow, | | | | | | | | | | |
| Kansas City (\$/cwt) | 4.11 | 3.29 | 3.10 | 3.20 | 2.76 | 2.67 | 3.14 | 3.41 | 3.66 | 3.64 |
| Barley, feed, | | | | | | | | | | |
| Duluth (\$/bu.) | 1.90 | | | | | | 1.30 | 1.42 | 1.50 | 1.54 |
| Barley, malting | | | | | | | | | | |
| Minneapolis (\$/bu.) | 2.50 | | | | | | 2.24 | 2.39 | 2.45 | |
| U.S. cotton price, SLM, | | | | | | | | | | |
| 1-1/16 in. (¢/lb.) ⁵ | 67.79 | 60.12 | 60.20 | 51.92 | 59.33 | 60.62 | 60.54 | 62.16 | 61.04 | 56.66 |
| Northern Europe prices | | | | | | | | | | |
| cotton index (¢/lb.) ⁶ | 72.11 | 58.97 | 52.85 | 47.80 | 60.93 | 61.55 | 60.90 | 64.07 | 65.90 | 64.19 |
| U.S. M 1-3/32 in. (¢/lb.) ⁷ | 77.98 | 74.08 | 59.64 | 58.69 | 67.95 | 67.38 | 66.69 | 68.95 | 69.44 | 69.75 |
| Soybeans, no. 1 yellow, 15-day ⁸ | | | | | | | | | | |
| Central Illinois (\$/bu) | 6.51 | 4.85 | 4.76 | 4.73 | 4.48 | 4.67 | 4.51 | 4.66 | 4.92 | 4.63 |
| Soybean oil, crude, | | | | | | | | | | |
| Decatur (¢/lb.) | 25.84 | 19.90 | 20.50 | 15.56 | 16.74 | 16.74 | 13.50 | 13.50 | 13.50 | 12.53 |
| Soybean meal, 48% protein, | | | | | | | | | | |
| Decatur (\$/ton) | 185.54 | 138.50 | 165.45 | 160.83 | 162.64 | 181.13 | 176.73 | 183.83 | 196.47 | 187.99 |

^{-- =} Not available. 1. Beginning June 1 for wheat and barley; Aug. 1 for rice and cotton; Sept. 1 for corn, sorghum, and soybeans; Oct. 1 for soymeal and oil. 2. Ordinary protein. 3. 14 percent protein. 4. Long grain, milled basis. 5. Average spot market. 6. Liverpool Cotlook "A" Index; average of 5 lowest prices of 13 selected growths. 7. Cotton, Memphis territory growths. 8. Soybean 30-day price discountinued.

Information contact: Mae Dean Johnson (202) 694-5299

Table 19—Farm Programs, Price Supports, Participation, & Payment Rates_

| | | | Flexibility | | | |
|------------------------|------------|----------------------|-------------|------------|----------|-------------------|
| | Marketing | Marketing | contract | Acres | Contract | Partici- |
| | assistance | loan | payment | under | payment | pation |
| | loan rate | benefit ¹ | rate | contract | yields | rate ² |
| NA/I 4 | | \$/bu | | Mil. acres | Bu./acre | Percent |
| Wheat | 0.50 | | 0.074 | 70.7 | 24.70 | 00 |
| 1996/97 | 2.58 | | 0.874 | 76.7 | 34.70 | 99 |
| 1997/98 | 2.58 | 0.01 | 0.631 | 76.7 | 34.70 | |
| 1998/99 | 2.58 | 0.19 | 0.663 | 78.9 | 34.50 | |
| 1999/2000 | 2.58 | 0.41 | 0.637 | 79.0 | 34.50 | |
| 2000/2001 ³ | 2.58 | | 0.588 | 78.9 | 34.50 | |
| Rice | | \$/cwt | | | Cwt/acre | |
| 1996/97 | 6.50 | | 2.766 | 4.2 | 48.27 | 99 |
| 1997/98 | 6.50 | 0.00 | 2.710 | 4.2 | 48.17 | |
| | | | | | | |
| 1998/99 | 6.50 | 0.08 | 2.921 | 4.2 | 48.17 | |
| 1999/2000 | 6.50 | 1.94 | 2.820 | 4.2 | 48.15 | |
| 2000/2001 ³ | 6.50 | | 2.600 | 4.1 | 48.15 | |
| Corn | | \$/bu | | | Bu./acre | |
| 1996/97 | 1.89 | | 0.251 | 80.7 | 102.90 | 98 |
| 1997/98 | 1.89 | 0.01 | 0.486 | 80.9 | 102.80 | |
| | | | | | | |
| 1998/99 | 1.89 | 0.14 | 0.377 | 82.0 | 102.60 | |
| 1999/2000 | 1.89 | 0.26 | 0.363 | 81.9 | 102.60 | |
| 2000/2001 ³ | 1.89 | | 0.334 | 81.9 | 102.60 | |
| Corabum | | \$/bu. ——— | | | Bu./acre | |
| Sorghum | 4.04 | | 0.222 | 40.4 | F7 00 | 00 |
| 1996/97 | 1.81 | | 0.323 | 13.1 | 57.30 | 99 |
| 1997/98 | 1.76 | 0.00 | 0.544 | 13.1 | 57.30 | |
| 1998/99 | 1.74 | 0.12 | 0.452 | 13.6 | 56.90 | |
| 1999/2000 | 1.74 | 0.26 | 0.435 | 13.7 | 56.90 | |
| 2000/2001 ³ | 1.71 | | 0.400 | 13.6 | 57.00 | |
| D . | | \$/bu | | | Bu./acre | |
| Barley | | | | | | |
| 1996/97 | 1.55 | | 0.332 | 10.5 | 47.30 | 99 |
| 1997/98 | 1.57 | 0.01 | 0.277 | 10.5 | 47.20 | |
| 1998/99 | 1.56 | 0.23 | 0.284 | 11.2 | 46.70 | |
| 1999/2000 | 1.59 | 0.14 | 0.271 | 11.2 | 46.60 | |
| 2000/2001 ³ | 1.62 | | 0.251 | 11.2 | 46.60 | |
| 0-1- | | | | | Bu./acre | |
| Oats | 4.00 | | 2 222 | 2.2 | 50.00 | 0.7 |
| 1996/97 | 1.03 | | 0.033 | 6.2 | 50.80 | 97 |
| 1997/98 | 1.11 | 0.00 | 0.031 | 6.2 | 50.80 | |
| 1998/99 | 1.11 | 0.18 | 0.031 | 6.5 | 50.70 | |
| 1999/2000 | 1.13 | 0.19 | 0.030 | 6.5 | 50.60 | |
| 2000/2001 ³ | 1.16 | | 0.028 | 6.5 | 50.60 | |
| | | \$/bu | | | Bu./acre | |
| Soybeans ⁴ | | | | | | |
| 1996/97 | 4.97 | | | | | |
| 1997/98 | 5.26 | 0.01 | | | | |
| 1998/99 | 5.26 | 0.45 | | | | |
| 1999/2000 | 5.26 | 0.88 | | | | |
| 2000/2001 ³ | 5.26 | | | | | |
| Unional catter | | ¢/lb | | | Lb./acre | |
| Upland cotton | F1 00 | | 2 222 | 40.0 | 040.00 | |
| 1996/97 | 51.92 | | 8.882 | 16.2 | 610.00 | 99 |
| 1997/98 | 51.92 | 0.00 | 7.625 | 16.2 | 608.00 | |
| 1998/99 | 51.92 | 0.09 | 8.173 | 16.4 | 604.00 | |
| 1999/2000 | 51.92 | 0.20 | 7.880 | 16.4 | 604.00 | |
| 2000/2001 ³ | 51.92 | | 7.330 | 16.3 | 604.00 | |

^{-- =} Not available. 1. Weighted average, based on portions of crop receiving marketing loan gains, loan deficiency payments, and no benefits (calculated by the Economic Research Sevice). 2. Participation rate is the percent of eligible acres that entered production flexibility contracts. 3. Estimated payment rates and rates and acres under contract. 4. There are no flexibility contract payments for soybeans.

Information contact: Brenda Chewning, Farm Service Agency (202) 720-8838

Table 20—Fruit

| | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Citrus ¹ | | | | | | | | | | |
| Production (1,000 tons) | 11,285 | 12,452 | 15,274 | 14,561 | 15,799 | 15,712 | 17,271 | 17,770 | 13,633 | 17,403 |
| Per capita consumpt. (lb.) ² Noncitrus ³ | 19.1 | 24.4 | 26.0 | 25.0 | 24.1 | 25.0 | 27.0 | 27.1 | 20.7 | |
| Production (1,000 tons) | 15,740 | 17,124 | 16,554 | 17,339 | 16,348 | 16,103 | 18,363 | 16,560 | 17,331 | 18,217 |
| Per capita consumpt. (lb.) 2 | 70.5 | 73.7 | 73.8 | 75.6 | 73.6 | 73.9 | 73.1 | 76.4 | 81.3 | |
| | | | | 2000 |) | | | | 2001 | J |
| - | Feb | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb |
| Grower prices | | | | | • | | | • | | |
| Apples (¢/pound) ⁴ | 21.1 | 16.3 | 16.2 | 19.5 | 23.3 | 21.8 | 18.5 | 18.1 | 16.1 | 15.2 |
| Pears (¢/pound) ⁴ | 20.10 | 11.20 | 11.50 | 12.70 | 16.60 | 18.10 | 16.15 | 15.05 | 17.00 | 12.55 |
| Oranges (\$/box) ⁵ | 3.43 | 4.70 | 3.35 | 2.17 | 0.93 | 1.09 | 3.16 | 2.94 | 2.82 | 3.29 |
| Grapefruit (\$/box) ⁵ | 4.31 | 2.73 | 6.02 | 4.45 | 6.71 | 5.17 | 3.09 | 2.20 | 1.87 | 2.07 |
| Stocks, ending | | | | | | | | | | |
| Fresh apples (mil. lb.) | 3,231 | 832 | 412 | 129 | 3,299 | 6,348 | 5,633 | 5,003 | 4,102 | 3,373 |
| Fresh pears (mil. lb.) | 191 | 28 | 40 | 147 | 532 | 426 | 426 | 339 | 250 | 181 |
| Frozen fruits (mil. lb.) | 1,244 | 1,120 | 1,300 | 1,303 | 1,234 | 1,626 | 1,602 | 1,569 | 1,471 | 1,373 |
| Frozen conc.orange juice | • | • | , | • | • | * | * | • | , | * |
| (mil. single-strength gallons) | 776 | 832 | 752 | 595 | 550 | 477 | 491 | 564 | 657 | 743 |

^{-- =} Not available. 1. Year shown is when harvest concluded. 2. Fresh per capita consumption. 3. Calendar year. 4. Fresh use. 5. U.S. equivalent on-tree returns. *Information contact: Susan Pollack (202) 694-5251*

Table 21—Vegetables

| Table 1 Togetable | | | | | | | | | | |
|------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
| Production ¹ | | | | | | | | | | |
| Total vegetables (1,000 cwt) | 565,754 | 689,070 | 688,824 | 782,505 | 747,988 | 762,952 | 751,739 | 729,537 | 831,976 | 796,011 |
| Fresh (1,000 cwt) ^{2,4} | 242,733 | 389,597 | 387,330 | 412,880 | 393,398 | 409,317 | 427,183 | 416,746 | 448,037 | 452,228 |
| Processed (tons) ^{3,4} | 16,151,030 | 14,973,630 | 15,074,707 | 18,481,238 | 17,729,497 | 17,681,732 | 16,227,819 | 15,639,548 | 19,196,942 | 17,189,152 |
| Mushrooms (1,000 lbs) ⁵ | 746,832 | 776,357 | 750,799 | 782,340 | 777,870 | 776,677 | 808,678 | 847,760 | 854,394 | |
| Potatoes (1,000 cwt) | 417,622 | 425,367 | 430,349 | 469,425 | 445,099 | 499,254 | 467,091 | 475,771 | 478,216 | 515,964 |
| Sweet potatoes (1,000 cwt) | 11,203 | 12,005 | 11,027 | 13,380 | 12,821 | 13,216 | 13,327 | 12,382 | 12,234 | 13,613 |
| Dry edible beans (1,000 cwt) | 33,765 | 22,615 | 21,862 | 28,950 | 30,689 | 27,912 | 29,370 | 30,418 | 33,085 | 26,440 |
| | | | | 200 | 00 | | | | 200 | 01 |
| | Feb | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb |
| Shipments (1,000 cwt) | | | | | | | | | | |
| Fresh | 25,730 | 37,167 | 19,317 | 21,877 | 15,097 | 16,561 | 22,509 | 18,685 | 14,775 | 23,799 |
| Iceberg lettuce | 3,776 | 4,380 | 3,228 | 3,930 | 3,072 | 3,216 | 3,710 | 2,918 | 2,168 | 3,517 |
| Tomatoes, all | 4,463 | 4,272 | 2,497 | 3,095 | 2,473 | 2,684 | 3,643 | 3,417 | 2,602 | 4,892 |
| Dry-bulb onions | 3,910 | 3,809 | 3,140 | 4,314 | 3,858 | 3,606 | 4,150 | 2,990 | 2,628 | 3,774 |
| Others ⁶ | 13,581 | 24,706 | 10,452 | 10,538 | 5,694 | 7,055 | 11,006 | 9,360 | 7,377 | 11,616 |
| Potatoes, all | 17,170 | 15,085 | 9,854 | 12,563 | 11,272 | 10,919 | 15,606 | 12,549 | 10,001 | 15,572 |
| Sweet potatoes | 349 | 228 | 145 | 187 | 272 | 325 | 847 | 405 | 183 | 327 |

^{-- =} Not available. 1. Calendar year except mushrooms. 2. Includes fresh production of asparagus, broccoli, carrots, cauliflower, celery, sweet corn, lettuce, honeydews, onions, & tomatoes through 1991. 3. Includes processing production of snap beans, sweet corn, green peas, tomatoes, cucumbers (for pickles), asparagus, broccoli, carrots, and cauliflower. 4. Data after 1991 not comparable to previous years because commodity estimates reinstated in 1992 are included. 5. Fresh and processing agaricus mushrooms only. Excludes specialty varieties. Crop year July 1- June 30. 6. Includes snap beans, broccoli, cabbage, cauliflower, celery, sweet corn, cucumbers, eggplant, bell peppers, honeydews, and watermelons.

Information contact: Gary Lucier (202) 694-5253

Table 22—Other Commodities_

| | | Annual | | | 1999 | | 2000 | | | |
|------------------------------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| | 1998 | 1999 | 2000 | II | III | IV | I | II | III | IV |
| Sugar | | | • | | | • | | | | |
| Production ¹ | 7,891 | 9,083 | 8,912 | 1,031 | 749 | 4,667 | 2,681 | 922 | 772 | 4,537 |
| Deliveries ¹ | 9,851 | 10,167 | 10,091 | 2,594 | 2,693 | 2,609 | 2,348 | 2,513 | 2,641 | 2,589 |
| Stocks, ending 1 | 3,423 | 3,855 | 4,338 | 3,184 | 1,639 | 3,855 | 4,551 | 3,498 | 2,219 | 4,338 |
| Coffee | | | | | | | | | | |
| Composite green price ² | | | | | | | | | | |
| N.Y. (¢/lb.) | 114.43 | 88.49 | 71.94 | 90.41 | 77.40 | 91.79 | 85.66 | 75.78 | 66.73 | 59.63 |
| | | Annual | | | 1999 | | | 200 | 0 | |
| | 1997 | 1998 | 1999 | Oct | Nov | Dec | Jan | Feb | Mar | Apr |
| Tobacco | | | | | | | | | | |
| Avg. price to grower ³ | | | | | | | | | | |
| Flue-cured (\$/lb.) | 1.73 | 1.76 | 1.74 | 1.82 | 1.80 | | | | | |
| Burley (\$/lb.) | 1.91 | 1.90 | 1.90 | | 1.90 | 1.91 | 1.90 | 1.88 | 1.77 | |
| Domestic taxable removals | | | | | | | | | | |
| Cigarettes (bil.) | 471.4 | 457.9 | 432.6 | 38.8 | 37.6 | 34.0 | 28.8 | 32.5 | 38.8 | 28.6 |
| Large cigars (mil.)4 | 3,552 | 3,721 | 3,844 | 315.6 | 334.7 | 320.0 | 250.7 | 285.5 | 333.9 | 314.0 |

^{-- =} Not available. 1.1,000 short tons, raw value. Quarterly data shown at end of each quarter. 2. Net imports of green and processed coffee. 3. Crop year July-June for flue-cured, October-September for burley. 4. Includes imports of large cigars. *Information contacts: sugar and coffee, Fannye Jolly (202) 694-5249; tobacco, Tom Capehart (202) 694-5245*

World Agriculture

Table 23—World Supply & Utilization of Major Crops, Livestock & Products_____

| Table 25—World Supply (| 1991/92 | 1992/93 | 1993/94 | 1994/95 | 1995/96 | 1996/97 | 1997/98 | 1998/99 | 1999/00 E | 2000/01 F |
|--|-------------|-------------|----------------|--------------|----------------|----------------|----------------|----------------|-------------|----------------|
| | 1001/02 | 1002/00 | 1000/04 | 100-700 | Million | | 1001700 | 1000/00 | 1000/00 L | 2000/011 |
| Wheat | | | | | IVIIIIOI | units | | | | |
| Area (hectares) | 222.5 | 222.9 | 222.0 | 214.5 | 219.2 | 230.4 | 227.8 | 224.7 | 216.9 | 215.9 |
| Production (metric tons) | 542.9 | 562.4 | 558.7 | 524.1 | 538.5 | 581.9 | 609.2 | 588.8 | 587.7 | 580.4 |
| Exports (metric tons) ¹ | 111.2 | 113.0 | 101.6 | 101.4 | 99.5 | 103.8 | 104.0 | 102.0 | 112.5 | 106.6 |
| Consumption (metric tons) ² | 555.5 | 550.3 | 561.6 | 547.5 | 548.8 | 576.9 | 583.9 | 590.3 | 599.1 | 597.2 |
| Ending stocks (metric tons) ³ | 132.5 | 144.5 | 141.6 | 118.2 | 107.9 | 113.4 | 138.7 | 137.2 | 125.8 | 108.9 |
| Coarse grains | | | | | | | | | | |
| Area (hectares) | 322.8 | 326.0 | 318.7 | 324.1 | 313.8 | 322.8 | 311.2 | 307.8 | 302.4 | 299.3 |
| Production (metric tons) | 810.7 | 871.8 | 798.9 | 871.2 | 802.8 | 908.5 | 883.9 | 890.1 | 876.7 | 856.3 |
| Exports (metric tons) ¹ | 95.9 | 92.8 | 85.8 | 98.0 | 87.8 | 94.1 | 85.6 | 96.2 | 104.2 | 101.0 |
| Consumption (metric tons) ² | 810.1 | 843.3 | 838.7 | 858.5 | 839.2 | 873.1 | 873.0 | 867.7 | 881.2 | 878.4 |
| Ending stocks (metric tons) | 135.8 | 164.1 | 124.3 | 137.0 | 100.6 | 136.2 | 147.1 | 169.5 | 165.0 | 142.9 |
| Rice, milled | | | | | | | | | | |
| Area (hectares) | 147.5 | 146.4 | 144.9 | 147.4 | 148.1 | 149.8 | 151.2 | 152.4 | 154.7 | 151.9 |
| Production (metric tons) | 354.7 | 355.7 | 355.4 | 364.5 | 371.4 | 380.3 | 386.8 | 394.1 | 407.8 | 399.3 |
| Exports (metric tons) ¹ | 14.2 | 14.9 | 16.5 | 21.0 | 19.7 | 18.9 | 27.7 | 24.9 | 22.9 | 22.7 |
| Consumption (metric tons) ² | 355.8 | 357.5 | 357.9 | 366.5 | 371.5 | 379.8 | 382.9 | 389.9 | 403.0 | 403.6 |
| Ending stocks (metric tons) ³ | 58.1 | 56.3 | 53.8 | 51.8 | 51.7 | 52.2 | 56.1 | 60.3 | 65.0 | 60.7 |
| Total grains | | | | | | | | | | |
| Area (hectares) | 692.8 | 695.3 | 685.6 | 686.0 | 681.1 | 703.0 | 690.2 | 684.9 | 674.0 | 667.1 |
| Production (metric tons) | 1,708.3 | 1,789.9 | 1,713.0 | 1,759.8 | 1,712.7 | 1,870.7 | 1,879.9 | 1,873.0 | 1,872.2 | 1,836.0 |
| Exports (metric tons) ¹ | 221.3 | 220.7 | 203.9 | 220.4 | 207.0 | 216.8 | 217.3 | 223.1 | 239.6 | 230.3 |
| Consumption (metric tons) ² | 1,721.4 | 1,751.1 | 1,758.2 | 1,772.5 | 1,759.5 | 1,829.8 | 1,839.8 | 1,847.9 | 1,883.3 | 1,879.2 |
| Ending stocks (metric tons) ³ | 326.4 | 364.9 | 319.7 | 307.0 | 260.2 | 301.8 | 341.9 | 367.0 | 355.8 | 312.5 |
| Oilseeds | | | | | | | | | | |
| Crush (metric tons) | 185.1 | 184.4 | 190.1 | 208.1 | 217.5 | 216.6 | 226.4 | 240.6 | 247.8 | 251.8 |
| Production (metric tons) | 224.3 | 227.5 | 229.4 | 261.9 | 258.9 | 261.4 | 286.5 | 294.6 | 302.3 | 306.1 |
| Exports (metric tons) | 37.6 | 38.2 | 38.7 | 44.1 | 44.3 | 49.6 | 54.0 | 54.7 | 64.0 | 64.6 |
| Ending stocks (metric tons) | 21.9 | 23.6 | 20.3 | 27.2 | 22.2 | 19.0 | 28.5 | 31.9 | 33.6 | 32.3 |
| Meals | | | | | | | | | | |
| Production (metric tons) | 125.2 | 125.2 | 131.7 | 142.1 | 147.3 | 147.7 | 153.8 | 164.5 | 169.4 | 173.8 |
| Exports (metric tons) | 42.2 | 40.8 | 44.9 | 46.7 | 49.8 | 50.7 | 51.9 | 53.8 | 55.0 | 55.6 |
| Oils | | | | | | | | | | |
| Production (metric tons) | 60.6 | 61.1 | 63.7 | 69.6 | 73.1 | 73.7 | 75.1 | 80.5 | 85.0 | 87.3 |
| Exports (metric tons) | 21.3 | 21.3 | 24.3 | 27.1 | 26.0 | 28.2 | 29.8 | 31.6 | 33.0 | 33.8 |
| Cotton | | | | | | | | | | |
| Area (hectares) | 34.8 | 32.6 | 30.7 | 32.2 | 35.9 | 33.8 | 33.7 | 33.0 | 32.3 | 31.9 |
| Production (bales) | 95.8 | 82.5 | 77.1 | 86.0 | 93.1 | 89.6 | 91.6 | 84.9 | 87.2 | 88.2 |
| Exports (bales) | 28.5 | 25.5 | 26.8 | 28.4 | 27.8 | 26.9 | 26.8 | 23.8 | 27.2 | 26.4 |
| Consumption (bales) | 86.1 | 85.9 | 85.4 | 84.7 | 86.0 | 88.1 | 87.1 | 85.3 | 91.9 | 91.8 |
| Ending stocks (bales) | 37.4 | 34.7 | 26.8 | 29.8 | 36.6 | 40.0 | 43.6 | 44.8 | 41.0 | 37.7 |
| | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 F | 2001 F |
| 5 (15 14 | 1992 | 1995 | 1334 | 1995 | 1990 | 1991 | 1330 | 1999 | 2000 L | 20011 |
| Beef and Pork ⁴ | 111.6 | 111.6 | 116 7 | 122.1 | 1166 | 100 1 | 107 1 | 120.2 | 132.1 | 1210 |
| Production (metric tons) Consumption (metric tons) | 109.9 | 111.6 | 116.7 115.7 | 122.1 | 116.6 114.1 | 122.1 119.7 | 127.1 124.6 | 130.2 128.4 | 132.1 | 134.0 132.3 |
| Exports (metric tons) ¹ | 6.6 | 6.6 | 7.2 | 7.4 | 7.7 | 8.2 | 8.0 | 9.1 | 8.8 | 8.9 |
| , | 0.0 | 0.0 | 1.2 | 1.4 | 1.1 | 0.2 | 0.0 | ا.ت | 0.0 | 0.9 |
| Production (metric tons) | 20.0 | 40 E | 42.2 | 17 E | EO 4 | E0 7 | EO E | EG F | E0.0 | E0.0 |
| Production (metric tons) Consumption (metric tons) | 38.0 | 40.5 | 43.2 | 47.5 47.0 | 50.4 | 52.7 | 53.5 | 56.5 | 58.0 | 59.6 |
| | 37.0 2.4 | 39.4 2.8 | 42.0 3.6 | 47.0 4.5 | 49.6 5.1 | 51.8 5.6 | 52.6 5.7 | 55.8 6.1 | 57.4 6.3 | 59.0 6.5 |
| Exports (metric tons) ¹ | 2.4 | 2.0 | 3.0 | 4.5 | 5.1 | 5.0 | 5.7 | 0.1 | 0.3 | 0.5 |
| Dairy Milk production (metric tons) ⁵ | | | | | 004.0 | 005.0 | 000.0 | 074.0 | 075.7 | 070.0 |
| Not available F - Estimated F | | | | | 364.3 | 365.6 | 368.0 | 371.6 | 375.7 | 378.8 |

^{-- =} Not available. E = Estimated, F = forecast. 1. Excludes intra-EU trade but includes intra-FSU trade. 2. Where stocks data are not available, consumption includes stock changes. 3. Stocks data are based on differing marketing years and do not represent levels at a given date. Data not available for all countries. 4. Calendar year, selected countries. 5. Data prior to 1989 no longer comparable.

Information contacts: Crops, Ed Allen (202) 694-5288; red meat and poultry, Leland Southard (202) 694-5187; dairy, LaVerne Williams (202) 694-5190

U.S. Agricultural Trade

Table 24—Prices of Principal U.S. Agricultural Trade Products_____

| | | Annual | | | | 2000 |) | | | 2001 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 1997 | 1998 | 1999 | Jan | Aug | Sep | Oct | Nov | Dec | Jan |
| Export commodities | | | • | | | | | | • | |
| Wheat, f.o.b. vessel, Gulf ports (\$/bu.) | 4.35 | 3.44 | 3.04 | 2.89 | 3.05 | 3.31 | 3.56 | 3.52 | 3.55 | 3.67 |
| Corn, f.o.b. vessel, Gulf ports (\$/bu.) | 2.98 | 2.59 | 2.30 | 2.36 | 1.91 | 2.05 | 2.16 | 2.26 | 2.43 | 2.41 |
| Grain sorghum, f.o.b. vessel, | | | | | | | | | | |
| Gulf ports (\$/bu.) | 2.89 | 2.54 | 2.15 | 2.23 | 1.87 | 2.01 | 2.22 | 2.44 | 2.50 | 2.57 |
| Soybeans, f.o.b. vessel, Gulf ports (\$/bu.) | 7.94 | 6.37 | 5.02 | 5.21 | 4.93 | 5.19 | 4.94 | 5.06 | 5.42 | 5.22 |
| Soybean oil, Decatur (¢/lb.) | 23.33 | 25.78 | 17.51 | 15.56 | 14.34 | 14.24 | 13.51 | 13.37 | 13.12 | 12.54 |
| Soybean meal, Decatur (\$/ton) | 266.70 | 162.74 | 141.52 | 163.41 | 157.48 | 174.60 | 171.52 | 179.95 | 195.65 | 183.17 |
| Cotton, 7-market avg. spot (¢/lb.) | 69.62 | 67.04 | 52.30 | 51.92 | 59.33 | 60.62 | 60.52 | 62.16 | 61.04 | 56.66 |
| Tobacco, avg. price at auction (¢/lb.) | 182.74 | 179.77 | 177.82 | 191.02 | 169.51 | 182.97 | 181.01 | 117.45 | 197.00 | 205.05 |
| Rice, f.o.b., mill, Houston (\$/cwt) | 20.88 | 18.95 | 16.99 | 15.55 | 14.50 | 14.56 | 14.95 | 15.00 | 15.00 | 15.00 |
| Inedible tallow, Chicago (¢/lb.) | 20.75 | 17.67 | 12.99 | 11.94 | 9.00 | 9.35 | 10.00 | 11.00 | 11.88 | 12.00 |
| Import commodities | | | | | | | | | | |
| Coffee, N.Y. spot (\$/lb.) | 2.05 | 1.39 | 1.05 | 1.19 | 0.80 | 0.82 | 0.81 | 0.72 | 0.67 | 0.65 |
| Rubber, N.Y. spot (¢/lb.) | 55.40 | 40.57 | 36.66 | 38.16 | 37.82 | 37.35 | 37.60 | 37.04 | 36.92 | 35.98 |
| Cocoa beans, N.Y. (\$/lb.) | 0.69 | 0.72 | 0.47 | 0.38 | 0.35 | 0.36 | 0.36 | 0.33 | 0.33 | 0.42 |

Information contact: Mae Dean Johnson (202) 694-5299.

Table 25—Trade Balance____

| | F | iscal Year | | | | 200 |) | | | 2001 |
|--------------------|----------|------------|--------|---------|----------|---------|---------|---------|---------|---------|
| | 1999 | 2000 | 2001 P | Jan | Aug | Sep | Oct | Nov | Dec | Jan |
| | | | | | \$ milli | on | | | | |
| Exports | | | | | | | | | | |
| Agricultural | 49,148 | 50,908 | 53,000 | 4,162 | 4,259 | 4,085 | 4,987 | 4,764 | 4,613 | 4,373 |
| Nonagricultural | 586,606 | 647,387 | | 48,062 | 57,735 | 56,330 | 59,241 | 56,978 | 55,898 | 52,345 |
| Total ¹ | 635,754 | 698,295 | | 52,224 | 61,994 | 60,415 | 64,228 | 61,742 | 60,511 | 56,718 |
| Imports | | | | | | | | | | |
| Agricultural | 37,310 | 38,923 | 40,000 | 3,175 | 3,166 | 2,922 | 3,217 | 3,251 | 3,207 | 3,407 |
| Nonagricultural | 938,948 | 1,132,257 | | 83,231 | 103,988 | 102,722 | 108,266 | 102,437 | 95,193 | 97,096 |
| Total 2 | 976,258 | 1,171,180 | | 86,405 | 107,154 | 105,644 | 111,483 | 105,688 | 98,400 | 100,503 |
| Trade balance | | | | | | | | | | |
| Agricultural | 11,838 | 11,985 | 13,000 | 987 | 1,093 | 1,163 | 1,770 | 1,513 | 1,406 | 966 |
| Nonagricultural | -352,342 | -484,870 | | -35,169 | -46,253 | -46,392 | -49,025 | -45,459 | -39,295 | -44,751 |
| Total | -340,504 | -472,885 | | -34,182 | -45,160 | -45,229 | -47,255 | -43,946 | -37,889 | -43,785 |

P = Projected. -- = Not available. Fiscal year (Oct. 1-Sep. 30). 1. Domestic exports including Department of Defense shipments (f.a.s. value).

^{2.} Imports for consumption (customs value). Information contact: Mary Fant (202) 694-5272

Table 26—Indexes of Real Trade-Weighted Dollar Exchange Rates¹_

| | | Annual | | | | 2000 | | | | 2001 |
|--------------------------|---------|--------|-------|-------|----------|-------|-------|-------|-------|-------|
| _ | 1998 | 1999 | 2000 | Jan | Aug | Sep | Oct | Nov | Dec | Jan |
| _ | | | • | | 1995 = 1 | 00 | | | • | |
| Total U.S. Trade | 114.0 | 114.2 | 119.0 | 113.8 | 118.2 | 120.3 | 122.4 | 122.7 | 121.3 | 119.3 |
| U.S. markets | | | | | | | | | | |
| All agricultural trade | 119.2 | 117.5 | 120.2 | 115.2 | 119.0 | 120.8 | 122.9 | 123.7 | 123.6 | 121.5 |
| Bulk commodities | 118.3 | 116.6 | 121.2 | 115.7 | 119.8 | 121.5 | 123.8 | 124.9 | 125.2 | 122.6 |
| Corn | 122.1 | 116.3 | 119.2 | 114.5 | 117.0 | 118.2 | 120.0 | 121.9 | 123.4 | 119.7 |
| Cotton | 113.6 | 112.4 | 118.3 | 113.3 | 116.7 | 118.5 | 121.0 | 122.0 | 122.3 | 119.4 |
| Rice | 111.5 | 112.5 | 117.8 | 112.5 | 117.2 | 119.1 | 120.8 | 120.7 | 119.3 | 116.2 |
| Soybeans | 121.8 | 119.4 | 127.3 | 120.0 | 126.6 | 129.2 | 131.8 | 132.5 | 132.2 | 130.0 |
| Tobacco, raw | 108.1 | 112.8 | 134.3 | 126.2 | 135.4 | 138.3 | 141.0 | 141.5 | 139.2 | 137.7 |
| Wheat | 125.6 | 124.6 | 120.2 | 114.2 | 117.9 | 119.2 | 121.8 | 122.7 | 122.5 | 118.3 |
| High-value products | 119.9 | 118.3 | 119.4 | 114.8 | 118.3 | 120.3 | 122.1 | 122.8 | 122.4 | 120.6 |
| Processed intermediates | 115.9 | 115.1 | 120.2 | 114.4 | 119.2 | 121.2 | 123.3 | 123.9 | 123.1 | 119.1 |
| Soymeal | 106.6 | 107.2 | 117.0 | 107.5 | 112.0 | 113.9 | 116.2 | 115.4 | 113.8 | 98.3 |
| Soyoil | 89.1 | 98.1 | 105.2 | 102.2 | 105.6 | 106.4 | 107.5 | 107.2 | 106.3 | 106.1 |
| Produce and horticulture | 118.4 | 117.3 | 122.0 | 116.7 | 121.7 | 124.1 | 126.1 | 126.7 | 125.3 | 124.5 |
| Fruits | 120.4 | 116.8 | 119.2 | 115.1 | 118.4 | 120.4 | 122.3 | 123.1 | 123.0 | 122.2 |
| Vegetables | 115.9 | 113.6 | 114.4 | 111.3 | 113.4 | 115.8 | 117.3 | 117.9 | 116.4 | 116.3 |
| High-value processed | 123.9 | 121.4 | 117.8 | 114.5 | 116.5 | 118.2 | 119.8 | 120.6 | 120.9 | 120.4 |
| Fruit juices | 122.9 | 120.1 | 123.4 | 118.5 | 122.9 | 125.2 | 127.2 | 128.4 | 127.8 | 127.5 |
| Poultry | 139.2 | 155.0 | 116.9 | 118.0 | 115.4 | 116.1 | 116.3 | 115.5 | 115.1 | 115.0 |
| Red meats | 135.4 | 124.0 | 121.7 | 118.5 | 120.1 | 121.9 | 123.5 | 125.8 | 128.4 | 129.2 |
| U.S. competitors | | | | | | | | | | |
| All agricultural trade | 115.7 | 122.1 | 135.5 | 126.1 | 137.0 | 140.8 | 143.7 | 143.4 | 139.8 | 136.8 |
| Bulk commodities | 122.2 | 130.4 | 134.0 | 127.5 | 134.3 | 137.4 | 140.2 | 140.0 | 137.2 | 135.9 |
| Corn | 113.1 | 120.5 | 134.0 | 124.8 | 135.3 | 138.8 | 141.4 | 141.1 | 139.6 | 135.8 |
| Cotton | 128.1 | 130.7 | 133.4 | 126.6 | 134.5 | 137.4 | 140.0 | 139.0 | 135.2 | 132.8 |
| Rice | 118.9 | 120.5 | 131.1 | 122.4 | 131.8 | 135.0 | 139.6 | 139.4 | 135.8 | 133.5 |
| Soybeans | 106.4 | 132.1 | 134.6 | 131.5 | 133.5 | 135.4 | 137.1 | 139.3 | 138.9 | 137.9 |
| Tobacco, raw | 115.3 | 127.3 | 121.8 | 121.3 | 123.3 | 125.0 | 126.6 | 125.3 | 121.6 | 119.3 |
| Wheat | 115.6 | 118.5 | 129.8 | 120.4 | 130.7 | 134.9 | 138.2 | 137.7 | 133.7 | 131.9 |
| High-value products | 118.4 | 125.2 | 139.1 | 129.0 | 140.6 | 144.8 | 147.9 | 147.3 | 143.6 | 140.1 |
| Processed intermediates | 119.9 | 127.1 | 138.2 | 129.2 | 139.2 | 143.0 | 146.1 | 145.7 | 142.5 | 139.8 |
| Soymeal | 107.8 | 132.0 | 136.9 | 132.2 | 136.4 | 138.9 | 141.1 | 143.1 | 142.3 | 140.3 |
| Soyoil | 107.1 | 123.3 | 130.0 | 124.6 | 130.7 | 132.4 | 134.3 | 135.8 | 134.1 | 134.3 |
| Produce and horticulture | 114.2 | 120.0 | 133.3 | 125.1 | 134.5 | 138.2 | 140.8 | 139.9 | 137.0 | 135.0 |
| Fruits | 121.0 | 123.5 | 135.9 | 127.3 | 136.6 | 140.1 | 143.5 | 143.0 | 139.5 | 136.4 |
| Vegetables | 102.4 | 109.2 | 121.7 | 114.0 | 122.9 | 126.1 | 128.1 | 127.6 | 125.3 | 125.5 |
| High-value processed | 118.7 | 125.7 | 141.3 | 130.0 | 143.2 | 147.9 | 151.1 | 150.6 | 146.2 | 141.9 |
| Fruit juices | 116.6 | 122.1 | 137.0 | 126.9 | 138.3 | 142.4 | 145.8 | 144.7 | 140.4 | 137.0 |
| Poultry | 109.5 | 121.6 | 134.9 | 125.7 | 136.3 | 139.6 | 142.6 | 142.8 | 139.8 | 136.9 |
| Red meats | 116.3 | 122.3 | 137.8 | 126.6 | 139.7 | 144.5 | 147.8 | 147.5 | 142.6 | 139.6 |
| U.S. suppliers | | | | | | | | | | |
| All agricultural trade | 111.4 | 113.5 | 120.0 | 115.1 | 119.8 | 122.6 | 124.9 | 124.1 | 122.1 | 120.6 |
| High-value products | 108.8 | 111.6 | 118.2 | 113.3 | 118.2 | 121.1 | 123.4 | 122.4 | 120.3 | 118.9 |
| Processed intermediates | 112.3 | 114.8 | 121.4 | 115.8 | 121.4 | 124.6 | 127.3 | 126.6 | 123.9 | 122.9 |
| Grains and feeds | 112.5 | 113.0 | 117.9 | 112.8 | 117.6 | 120.6 | 122.7 | 122.8 | 119.6 | 118.5 |
| Vegetable oils | 123.1 | 120.9 | 130.1 | 122.2 | 130.5 | 133.9 | 138.2 | 136.8 | 134.1 | 132.0 |
| Produce and horticulture | 98.4 | 101.1 | 103.7 | 103.4 | 102.9 | 104.4 | 105.5 | 103.7 | 103.8 | 102.9 |
| Fruits | 96.5 | 97.2 | 98.0 | 96.2 | 98.2 | 99.9 | 101.4 | 97.6 | 99.6 | 98.3 |
| Vegetables | 88.7 | 84.1 | 81.3 | 81.5 | 79.7 | 81.2 | 82.6 | 80.8 | 80.8 | 81.0 |
| High-value processed | 111.8 | 114.9 | 123.7 | 116.7 | 124.0 | 127.6 | 130.2 | 129.6 | 126.5 | 124.7 |
| Cocoa and products | 120.3 | 126.1 | 137.6 | 132.3 | 136.9 | 140.1 | 143.2 | 142.9 | 139.4 | 137.3 |
| Coffee and products | 101.6 | 111.6 | 116.4 | 114.9 | 114.9 | 116.5 | 117.5 | 117.2 | 116.5 | 112.5 |
| Dairy products | 117.2 | 122.5 | 137.9 | 126.9 | 140.7 | 145.9 | 148.7 | 147.8 | 141.1 | 138.3 |
| Fruit juices | 109.2 | 122.3 | 127.8 | 122.8 | 127.7 | 130.4 | 133.4 | 132.6 | 131.2 | 129.6 |
| Meats | 103.2 | 105.6 | 115.4 | 107.6 | 109.7 | 110.0 | 111.3 | 113.3 | 114.0 | 96.9 |
| | . 32. 1 | | | | | | | | | 30.0 |

Real indexes adjust nominal exchange rates for relative rates of inflation among countries. A higher value means the dollar has appreciated. The weights used for "total U.S. trade" index are based on U.S. total merchandise exports to the largest 85 trading partners. Weights are based on relative importance of major U.S. customers, competitors in world markets, and suppliers to the U.S. Indexes are subject to revision for up to 1 year due to delayed reporting by some countries. High-value products are total agricultural products minus bulk commodities. Source: Nominal exchange rates are obtained from the IMF International Financial Statisitics. Exchange rates for the EU-11 are obtained from the Board of Governors of the Federal Reserve System. Full historical series are available back to January 1970 at http://usda.mannlib.cornell.edu/data-sets/international/88021/

Information contact: Mathew Shane (202) 694-5282 or email:mshane@ers.usda.gov.

^{1.} A major revision to the weighting scheme and commoditity definitions was completed in May 2000. This significantly altered the series from previous versions.

Table 27—U.S. Agricultural Exports & Imports_

| | F | iscal Year | | Jan | | F | iscal Year | | Jan | |
|--|------------------|------------------|------------------|--------------|----------------|---------------------|---------------------|----------------|-----------------|-----------------|
| | 1999 | 2000 | 2001 F | 2000 | 2001 | 1999 | 2000 | 2001 F | 2000 | 2001 |
| | | 1.00 | 0 units | | | | | \$ million_ | | |
| Exports | | | | | | 470 | 000 | | 0.4 | 47 |
| Animals, live Meats and preps., excl. poultry (mt) Dairy products | 2,089 | 2,457 | 1,800 | 187 | 221 | 476 4,500 914 | 608 5,454 996 | 5,000 1,000 | 61 426 64 | 47 438 85 |
| Poultry meats (mt) Fats, oils, and greases (mt) | 2,402 1,387 | 2,845 1,206 | 2,900 1,200 | 249 74 | 291 79 | 1,750 544 | 1,961 421 | 2,000 | 155 29 | 178 25 |
| Hides and skins, incl. furskins | | | | | | 1,108 | 1,479 | 1,500 | 108 | 143 |
| Cattle hides, whole (no.) Mink pelts (no.) | 17,845 4,172 | 21,837 4,352 | | 1,630 248 | 1,675 357 | 844 98 | 1,166 111 | | 87 5 | 103 7 |
| Grains and feeds (mt) ² | 104,576 | 104,009 | | 8,078 | 7,279 | 14,272 | 13,788 | 14,500 | 1,094 | 1,103 |
| Wheat (mt) ³ Wheat flour (mt) | 28,806 958 | 27,779 825 | 28,700 800 | 1,953 58 | 1,644 44 | 3,648 177 | 3,378 132 | 3,800 | 235 9 | 220 8 |
| Rice (mt) | 3,076 | 3,299 | 3,100 | 348 | 396 | 1,010 | 903 | 800 | 101 | 100 |
| Feed grains, incl. products (mt) 4 | 58,398 11,800 | 57,195 13,386 | 58,000 14,100 | 4,737 893 | 4,097 968 | 5,821 2,252 | 5,483 2,496 | 5,500 2,700 | 461 187 | 424 230 |
| Feeds and fodders (mt) Other grain products (mt) | 1,538 | 1,525 | | 90 | 130 | 1,363 | 1,397 | 2,700 | 102 | 122 |
| Fruits, nuts, and preps. (mt) Fruit juices, incl. | 3,439 | 3,736 | | 297 | 308 | 3,805 | 3,871 | 4,800 | 274 | 267 |
| froz. (1,000 hectoliters) Vegetables and preps. | 12,317 | 11,902 0 | | 788 | 817 | 735 4,245 | 716 4,443 | 3,100 | 48 336 | 55 364 |
| Tobacco, unmanufactured (mt) | 205 | 180 | 200 | 17 | 18 | 1,376 | 1,229 | 1,200 | 115 | 115 |
| Cotton, excl. linters (mt) ⁵ | 884 579 | 1,474 730 | 1,600 | 143 58 | 123 65 | 1,309 800 | 1,809 787 | 2,200 800 | 167 96 | 171 80 |
| Seeds (mt) Sugar, cane or beet (mt) | 158 | 115 | | 9 | 7 | 56 | 40 | | 3 | 3 |
| Oilseeds and products (mt) | 33,597 | 36,055 | 35,900 | 3,782 | 3,968 3,012 | 8,638 | 8,386 5,782 | 8,400 | 843 | 906 636 |
| Oilseeds (mt) Soybeans (mt) | 22,974 | 27,055 26,038 | 26,100 | 2,830 | 2,874 | 4,748 | 5,762 | 5,000 | 535 | 573 |
| Protein meal (mt) | 6,726 | 6,870 | | 697 | 765 | 1,101 | 1,259 | | 123 | 169 |
| Vegetable oils (mt) Essential oils (mt) | 2,669 47 | 2,130 53 | | 194 4 | 191 4 | 1,846 507 | 1,346 593 | | 124 37 | 101 52 |
| Other | | | | | | 4,112 | 4,330 | | 306 | 341 |
| Total | | | | | | 49,148 | 50,911 | 53,000 | 4,162 | 4,373 |
| Imports Animals, live | | | | | 0 | 1,411 | 1,737 | 2,000 | 106 | 177 |
| Meats and preps., excl. poultry (mt) | 1,403 | 1,555 | 1,600 | 126 | 148 | 3,108 | 3,724 | 3,900 | 284 | 356 |
| Beef and veal (mt) Pork (mt) | 943 337 | 1,027 402 | | 84 32 | 103 32 | 2,047 721 | 2,405 958 | | 187 70 | 245 79 |
| Dairy products | | 0 | | | 0 | 1,572 | 1,635 | 1,700 | 125 | 132 |
| Poultry and products | | 0 | | | 10 | 201 | 288 | | 18 | 20 |
| Fats, oils, and greases (mt) Hides and skins, incl. furskins (mt) | 85 | 107 0 | | 8 | 0 3 | 56 146 | 71 160 | | 6 23 | 6 27 |
| Wool, unmanufactured (mt) | 29 | 25 | | 3 | 0 | 75 | 66 | | 8 | 7 |
| Grains and feeds Fruits, nuts, and preps., | | | | | | 2,943 | 3,058 | 3,200 | 227 | 262 |
| excl. juices (mt) ⁶ | 8,171 | 8,366 | 8,300 | 752 | 781 | 4,619 | 4,546 | 5,600 | 426 | 457 |
| Bananas and plantains (mt) Fruit juices (1,000 hectoliters) | 4,418 31,655 | 4,396 32,199 | 4,300 30,000 | 3/3 2,819 | 349 2,302 | 1,212 772 | 1,128 783 | 1,100 | 93 69 | 94 52 |
| Vegetables and preps. | | | | | 0 | 4,527 | 4,657 | 4,900 | 453 | 525 |
| Tobacco, unmanufactured (mt) Cotton, unmanufactured (mt) | 217 144 | 220 34 | 200 | 15 2 | 21 5 | 742 150 | 651 28 | 600 | 47 3 | 73 2 |
| Seeds (mt) | 357 | 448 | | 55 | 19 | 457 | 493 | | 36 | 30 |
| Nursery stock and cut flowers Sugar, cane or beet (mt) | 1,692 | 1,379 | | 46 | 0 127 | 1,076 606 | 1,165 493 | 1,200 | 103 14 | 101 51 |
| Oilseeds and products (mt) | 3,767 | 4,069 | 4,300 | 300 | 339 | 1,899 | 1,873 | 1,800 | 146 | 146 |
| Oilseeds (mt) | 1,000 | 1,103 | | 54 | 40 | 326 147 | 310 150 | | 22 13 | 18 |
| Protein meal (mt) Vegetable oils (mt) | 1,131 1,637 | 1,194 1,772 | | 110 136 | 122 177 | 1,427 | 1,413 | | 111 | 17 112 |
| Beverages, excl. fruit juices (1,000 hectoliters) | | | | | 0 | 4,258 | 4,702 | | 287 | 349 |
| Coffee, tea, cocoa, spices (mt) | 2,520 1,294 | 2,841 | 1,300 | 269 132 | 244 105 | 5,306 2,967 | 5,218 2,905 | 2,800 | 501 292 | 356 153 |
| Coffee, incl. products (mt) Cocoa beans and products (mt) | 865 | 1,411 1,046 | 1,000 | 111 | 105 | 2,967 1,531 | 2,905 1,466 | 2,800 1,400 | 292 141 | 133 |
| Rubber and allied gums (mt) | 1,148 | 1,249 | 1,200 | 131 | 90 | 739 | 841 | 900 | 85 | 58 |
| Other Total | | | | | 0 0 | 2,646 37,310 | 2,735 38,923 | 40,000 | 209 3,175 | 219 3,407 |

F = Forecast. -- = Not available. Projections are fiscal years (Oct.1 through Sept. 30) and are from Outlook for U.S. Agricultural Exports. 1999 and 2000 data are from *Foreign Agricultural Trade of the U.S*. 1. Projection includes beef, pork, and variety meat. 2. Projection includes pulses. 3. Value projection includes wheat flour. 4. Projection excludes grain products. 5. Projection includes linters. 6. Value projection includes juice.

Information contact: Mary Fant (202) 694-5272

Table 28—U.S. Agricultural Exports by Region_

| | ı | Fiscal year | | | | 200 | 0 | | | 2001 |
|---|----------------|----------------|----------------|------------|------------|------------|------------|------------|------------|------------|
| | 1999 | 2000 | 2001 F | Jan | Aug | Sep | Oct | Nov | Dec | Jan |
| | | | | | \$ millio | on | | | | |
| Region & country | 7.500 | 0.740 | 0.000 | 000 | 470 | 45.4 | 705 | 050 | 704 | 000 |
| Western Europe European Union ¹ | 7,528 6,958 | 6,712 6,373 | 6,600 6,200 | 698 654 | 470 425 | 454 419 | 795 710 | 650 591 | 704 687 | 626 605 |
| Belgium-Luxembourg | 602 | 538 | | 48 | 38 | 43 | 53 | 62 | 78 | 65 |
| France | 377 | 347 | | 28 | 26 | 19 | 29 | 27 | 53 | 26 |
| Germany | 1,057 574 | 947 560 | | 89 77 | 74 29 | 74 30 | 97 44 | 84 41 | 73 56 | 91 37 |
| Italy Netherlands | | 1,459 | | 150 | 29 84 | | 155 | 171 | 184 | 163 |
| United Kingdom | 1,587 1,122 | 1,459 | | 67 | 79 | 81 91 | 144 | 101 | 72 | 84 |
| Portugal | 131 | 145 | | 17 | 11 | 5 | 11 | 3 | 22 | 22 |
| Spain, incl. Canary Islands | 784 | 664 | | 106 | 28 | 24 | 87 | 52 | 83 | 55 |
| Other Western Europe | 570 | 340 | 400 | 44 | 45 | 35 | 84 | 60 | 17 | 21 |
| Switzerland | 455 | 250 | | 38 | 36 | 27 | 75 | 50 | 12 | 15 |
| Eastern Europe | 190 | 167 | 200 | 9 | 17 | 11 | 17 | 18 | 13 | 16 |
| Poland Former Yugoslavia | 73 47 | 47 67 | | 2 3 | 6 4 | 3 4 | 6 3 | 8 5 | 4 2 | 6 4 |
| Romania | 18 | 12 | | 0 | 3 | 1 | 3 | 1 | 5 | 1 |
| Newly Independent States | 881 | 937 | 800 | 88 | 56 | 72 | 100 | 86 | 61 | 85 |
| Russia | 532 | 674 | 600 | 67 | 47 | 41 | 76 | 67 | 43 | 67 |
| Asia ² | 20,441 | 22,051 | 20,200 | 1,772 | 1,814 | 1,701 | 1,964 | 1,978 | 1,970 | 1,905 |
| West Asia (Mideast) | 1,978 | 2,363 | 2,400 | 170 | 215 | 215 | 254 | 203 | 194 | 156 |
| Turkey Iraq | 448 9 | 701 8 | 700 | 74 | 42 8 | 35 | 30 | 59 | 68 | 34 |
| Israel, incl. Gaza and W. Bank | 417 | 458 | | 18 | 43 | 41 | 39 | 47 | 51 | 43 |
| Saudi Arabia | 468 | 482 | 500 | 33 | 52 | 47 | 46 | 44 | 41 | 40 |
| South Asia | 499 | 416 | 400 | 22 | 29 | 40 | 49 | 33 | 53 | 28 |
| Bangladesh | 165 | 82 | | 3 | 5 | 4 | 6 | 4 | 16 | 6 |
| India Pakistan | 189 89 | 186 93 | | 17 1 | 16 3 | 24 6 | 23 8 | 21 6 | 20 6 | 18 2 |
| China | 1,011 | 1,474 | 1,800 | 98 | 167 | 88 | 200 | 195 | 167 | 177 |
| Japan | 8,933 | 9,353 | 9,200 | 801 | 698 | 679 | 709 | 776 | 775 | 840 |
| Southeast Asia | 2,218 | 2,602 | 2,800 | 200 | 208 | 241 | 270 | 307 | 195 | 274 |
| Indonesia | 499 | 681 | 800 | 41 | 58 | 64 | 84 | 47 | 50 | 92 |
| Philippines | 735 | 866 | 900 | 65 | 70 | 76 | 78 | 111 | 68 | 85 |
| Other East Asia Korea, Rep. | 5,803 2,482 | 5,844 2,569 | 6,000 2,700 | 481 228 | 497 233 | 437 200 | 482 183 | 464 196 | 585 276 | 430 205 |
| Hong Kong | 1,264 | 1,255 | 1,300 | 87 | 117 | 103 | 118 | 128 | 123 | 84 |
| Taiwan | 2,047 | 2,011 | 2,000 | 164 | 146 | 135 | 175 | 139 | 186 | 141 |
| Africa | 2,160 | 2,272 | 2,500 | 162 | 246 | 255 | 253 | 175 | 213 | 166 |
| North Africa | 1,468 | 1,565 | 1,700 | 117 | 180 | 189 | 190 | 103 | 149 | 123 |
| Morocco | 162 223 | 141 255 | | 9 21 | 9 36 | 19 22 | 30 21 | 6 23 | 24 16 | 7 27 |
| Algeria Egypt | 1,002 | 1,094 | 1,000 | 84 | 127 | 140 | 134 | 61 | 80 | 74 |
| Sub-Sahara | 693 | 707 | 800 | 45 | 66 | 66 | 63 | 72 | 65 | 43 |
| Nigeria | 176 | 160 | | 16 | 19 | 14 | 17 | 21 | 14 | 14 |
| S. Africa | 165 | 164 | | 14 | 8 | 17 | 9 | 13 | 7 | 9 |
| Latin America and Caribbean | 10,495 | 10,639 | 11,500 | 800 | 958 | 904 | 989 | 1,054 | 985 | 889 |
| Brazil Caribbean Islands | 366 1,453 | 253 1,457 | 300 | 23 103 | 23 110 | 14 111 | 18 130 | 29 137 | 19 114 | 17 105 |
| Central America | 1,209 | 1,129 | | 79 | 109 | 97 | 89 | 113 | 96 | 84 |
| Colombia | 468 | 427 | | 40 | 35 | 22 | 39 | 35 | 30 | 31 |
| Mexico | 5,672 | 6,329 | 7,100 | 447 | 599 | 575 | 634 | 624 | 648 | 574 |
| Peru Venezuela | 347 458 | 201 404 | 400 | 31 25 | 11 37 | 14 37 | 8 42 | 19 31 | 5 30 | 9 30 |
| Canada | 6,951 | 7,520 | 8,100 | 594 | 618 | 623 | 726 | 689 | 607 | 656 |
| Oceania | 502 | 490 | 500 | 40 | 51 | 41 | 49 | 43 | 41 | 31 |
| | | | | | | | | | | |
| Total | 49,148 | 50,911 | 53,000 | 4,162 | 4,259 | 4,085 | 4,987 | 4,764 | 4,613 | 4,373 |

F = Forecast. -- = Not available. Based on fiscal year beginning October 1 and ending September 30. 1. Austria, Finland, and Sweden are included in the European Union. 2. Asia forecasts exclude West Asia (Mideast). NOTE: Adjusted for transhipments through Canada for 1998 and 1999 through December 1999, but transhipments are not distributed by country as previously for 2000. *Information contact: Marv Fant (202) 694-5272*

Farm Income

Table 29—Value Added to the U.S. Economy by the Agricultural Sector_

| | | • | | | | | | | | | |
|-------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000F | 2001F |
| | | | | | | \$ bi | Ilion | | | | |
| | Final crop output | 88.9 | 82.4 | 100.3 | 95.7 | 115.6 | 112.3 | 102.1 | 93.1 | 96.3 | 101.0 |
| | Food grains | 8.5 | 8.2 | 9.5 | 10.4 | 10.8 | 10.4 | 8.9 | 7.3 | 7.0 | 7.0 |
| | Feed crops | 20.1 | 20.2 | 20.3 | 24.5 | 27.2 | 27.0 | 22.7 | 19.8 | 20.5 | 21.7 |
| | Cotton | 5.2 | 5.2 | 6.7 | 6.9 | 7.0 | 6.3 | 6.1 | 4.7 | 5.3 | 6.2 |
| | Oil crops | 13.3 | 13.2 | 14.7 | 15.5 | 16.4 | 19.8 | 17.5 | 13.6 | 15.0 | 15.7 |
| | Tobacco | 3.0 | 2.9 | 2.7 | 2.5 | 2.8 | 2.9 | 2.8 | 2.3 | 2.0 | 2.4 |
| | Fruits and tree nuts Vegetables | 10.1 11.8 | 10.3 13.7 | 10.3 14.0 | 11.1 15.0 | 11.9 14.4 | 13.1 14.7 | 12.2 15.1 | 13.0 15.2 | 12.7 16.0 | 12.8 15.9 |
| | All other crops | 13.7 | 13.7 | 14.7 | 15.0 | 15.8 | 16.9 | 17.1 | 17.4 | 18.1 | 18.4 |
| | Home consumption | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 |
| | Value of inventory adjustment ¹ | 3.2 | -5.3 | 7.2 | -5.3 | 9.1 | 1.1 | -0.5 | -0.2 | -0.4 | 0.6 |
| | Final animal output | 87.1 | 92.0 | 89.7 | 87.7 | 92.0 | 96.5 | 94.2 | 95.1 | 99.2 | 100.2 |
| | Meat animals | 47.7 | 51.0 | 46.7 | 44.9 | 44.2 | 49.7 | 43.3 | 45.6 | 51.8 | 50.6 |
| | Dairy products | 19.7 | 19.3 | 20.0 | 19.9 | 22.8 | 20.9 | 24.1 | 23.2 | 20.7 | 21.7 |
| | Poultry and eggs | 15.5 | 17.4 | 18.5 | 19.1 | 22.5 | 22.3 | 22.9 | 22.9 | 23.3 | 23.8 |
| | Miscellaneous livestock Home consumption | 2.6 0.5 | 2.9 0.4 | 3.1 0.4 | 3.3 0.4 | 3.4 0.3 | 3.6 0.4 | 3.7 0.3 | 3.7 0.4 | 3.7 0.4 | 3.7 0.4 |
| | Value of inventory adjustment ¹ | 1.0 | 1.1 | 1.1 | 0.4 | -1.1 | -0.4 | -0.3 | -0.7 | -0.6 | 0.4 |
| | Services and forestry | 15.2 | 17.0 | 18.1 | 19.9 | 20.8 | 22.1 | 24.7 | 26.7 | 27.5 | 27.6 |
| | Machine hire and customwork | 1.8 | 1.9 | 2.1 | 1.9 | 2.2 | 2.4 | 2.2 | 2.0 | 2.2 | 2.3 |
| | Forest products sold | 2.2 | 2.5 | 2.6 | 2.8 | 2.6 | 2.8 | 3.0 | 2.9 | 2.9 | 2.9 |
| | Other farm income | 4.1 | 4.6 | 4.3 | 5.8 | 6.2 | 6.9 | 8.7 | 10.8 | 11.2 | 10.9 |
| | Gross imputed rental value of farm dwellings | 7.2 | 8.1 | 9.0 | 9.4 | 9.9 | 10.1 | 10.8 | 10.9 | 11.2 | 11.5 |
| | Final agricultural sector output ² | 191.3 | 191.3 | 208.0 | 203.4 | 228.4 | 230.9 | 221.0 | 214.9 | 223.0 | 228.9 |
| Minus | Intermediate consumption outlays: | 93.4 | 100.7 | 104.9 | 109.7 | 113.2 | 121.0 | 118.5 | 120.8 | 126.5 | 127.6 |
| | Farm origin | 38.6 | 41.3 | 41.3 | 41.8 | 42.7 | 46.8 | 44.8 | 45.5 | 47.1 | 46.2 |
| | Feed purchased | 20.1 | 21.4 | 22.6 | 23.8 | 25.2 | 26.3 | 25.0 | 24.5 | 24.7 | 24.7 |
| | Livestock and poultry purchased | 13.6 | 14.7 | 13.3 | 12.5 | 11.3 | 13.8 | 12.5 | 13.8 | 15.2 | 14.4 |
| | Seed purchased | 4.9 | 5.2 | 5.4 | 5.5 | 6.2 | 6.7 | 7.2 | 7.2 | 7.2 | 7.1 |
| | Manufactured inputs | 22.7 | 23.1 | 24.4 | 26.1 | 28.6 | 29.2 | 28.2 | 27.3 | 30.2 | 30.9 |
| | Fertilizers and lime | 8.3 | 8.4 | 9.2 | 10.0 | 10.9 | 10.9 | 10.6 | 9.9 | 10.4 | 10.8 |
| | Pesticides | 6.5 | 6.7 | 7.2 | 7.7 | 8.5 | 9.0 | 9.0 | 8.6 | 8.6 | 8.8 |
| | Petroleum fuel and oils Electricity | 5.3 2.6 | 5.4 2.7 | 5.3 2.7 | 5.4 3.0 | 6.0 3.2 | 6.2 3.0 | 5.6 2.9 | 5.8 3.0 | 8.1 3.0 | 8.1 3.1 |
| | • | | | | | | | | | | |
| | Other intermediate expenses Repair and maintenance of capital items | 32.1 8.5 | 36.2 9.2 | 39.2 9.1 | 41.7 9.5 | 41.9 10.3 | 44.9 10.4 | 45.6 10.4 | 48.0 10.5 | 49.2 10.6 | 50.6 10.9 |
| | Machine hire and customwork | 3.8 | 4.4 | 4.8 | 4.8 | 4.7 | 4.9 | 5.4 | 5.3 | 5.5 | 5.6 |
| | Marketing, storage, and transportation | 4.5 | 5.6 | 6.8 | 7.2 | 6.9 | 7.1 | 6.9 | 7.3 | 7.6 | 8.0 |
| | Contract labor | 1.7 | 1.8 | 1.8 | 2.0 | 2.1 | 2.6 | 2.4 | 2.6 | 2.7 | 2.8 |
| | Miscellaneous expenses | 13.6 | 15.2 | 16.7 | 18.3 | 17.8 | 19.9 | 20.6 | 22.3 | 22.8 | 23.3 |
| Plus | Net government transactions: | 2.7 | 6.9 | 1.1 | 0.2 | 0.2 | 0.2 | 4.8 | 13.1 | 14.5 | 6.4 |
| | + Direct government payments | 9.2 | 13.4 | 7.9 | 7.3 | 7.3 | 7.5 | 12.2 | 20.6 | 22.1 | 14.1 |
| | - Motor vehicle registration and licensing fees | 0.4 | 0.4 | 0.4 | 0.5 | 0.4 | 0.4 | 0.5 | 0.4 | 0.4 | 0.5 |
| | - Property taxes | 6.1 | 6.2 | 6.4 | 6.6 | 6.7 | 6.8 | 6.9 | 7.1 | 7.1 | 7.3 |
| | Gross value added | 100.5 | 97.5 | 104.3 | 93.9 | 115.4 | 110.1 | 107.3 | 107.2 | 111.0 | 107.7 |
| Minus | Capital consumption | 18.3 | 18.3 | 18.7 | 19.2 | 19.4 | 19.6 | 19.7 | 19.9 | 19.8 | 20.2 |
| | Net value added ² | 82.2 | 79.2 | 85.6 | 74.7 | 96.0 | 90.6 | 87.5 | 87.3 | 91.2 | 87.5 |
| Minus | Factor payments: | 34.6 | 34.8 | 36.8 | 37.8 | 41.1 | 42.0 | 42.9 | 43.9 | 45.8 | 46.2 |
| | Employee compensation (total hired labor) | 12.3 | 13.2 | 13.5 | 14.3 | 15.2 | 16.0 | 16.9 | 17.5 | 18.1 | 18.9 |
| | Net rent received by nonoperator landlords Real estate and non-real estate interest | 11.2 | 10.9 | 11.8 | 10.9 | 12.9 | 12.8 | 12.7 | 12.9 | 13.5 14.2 | 12.6 14.7 |
| | | 11.0 | 10.7 | 11.6 | 12.6 | 13.0 | 13.1 | 13.4 | 13.6 | | |
| | Net farm income ² | 47.7 | 44.3 | 48.8 | 36.9 | 54.9 | 48.6 | 44.6 | 43.4 | 45.4 | 41.3 |

Values in last two columns are preliminary or forecast. 1. A positive value of inventory change represents current-year production not sold by December 31. A negative value is an offset to production from prior years included in current-year sales. 2. Final sector output is the gross value of commodities and services produced within a year. Net value added is the sector's contribution to the National economy and is the sum of income from production earned by all factors of production. Net farm income is farm operators' share of income from the sector's production activities. The concept presented is consistent with that employed by the Organization for Economic Cooperation and Development. *Information contact: Roger Strickland: rogers@ers.usda.gov*

To confirm that this table contains the current forecast, go to http://www.ers.usda.gov/briefing/farmincome/fore/fore.htm

Table 30—Farm Income Statistics

| _ | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000F | 2001F |
|-------------------------------------|-------|-------|-------|-------|-----------|-------|-------|-------|-------|-------|
| | | | | | \$ billio | on | | | | |
| Cash income statement | | | | | | | | | | |
| 1. Cash receipts | 171.3 | 177.9 | 181.1 | 188.0 | 199.1 | 207.6 | 196.6 | 188.6 | 196.0 | 200.0 |
| Crops ¹ | 85.6 | 87.5 | 92.9 | 100.8 | 106.3 | 111.1 | 102.5 | 93.1 | 96.6 | 100.2 |
| Livestock | 85.7 | 90.4 | 88.2 | 87.1 | 92.8 | 96.5 | 94.1 | 95.5 | 99.5 | 99.8 |
| Direct Government payments | 9.2 | 13.4 | 7.9 | 7.3 | 7.3 | 7.5 | 12.2 | 20.6 | 22.1 | 14.1 |
| 3. Farm-related income ² | 8.0 | 9.0 | 9.0 | 10.5 | 10.9 | 12.0 | 13.9 | 15.8 | 16.3 | 16.1 |
| 4. Gross cash income (1+2+3) | 188.5 | 200.3 | 198.1 | 205.8 | 217.4 | 227.1 | 222.6 | 225.0 | 234.4 | 230.2 |
| 5. Cash expenses ³ | 133.5 | 141.2 | 147.4 | 153.2 | 159.8 | 168.6 | 167.2 | 170.4 | 178.0 | 179.5 |
| 6. Net cash income (4-5) | 54.9 | 59.1 | 50.7 | 52.5 | 57.6 | 58.5 | 55.4 | 54.6 | 56.4 | 50.7 |
| Farm income statement | | | | | | | | | | |
| 7. Gross cash income (4) | 188.5 | 200.3 | 198.1 | 205.8 | 217.4 | 227.1 | 222.6 | 225.0 | 234.4 | 230.2 |
| 8. Noncash income ⁴ | 7.8 | 8.7 | 9.6 | 9.9 | 10.3 | 10.6 | 11.3 | 11.4 | 11.7 | 12.1 |
| 9. Value of inventory adjustment | 4.2 | -4.2 | 8.3 | -5.0 | 8.0 | 0.7 | -0.7 | -0.9 | -1.0 | 0.7 |
| 10. Gross farm income (7+8+9) | 200.4 | 204.7 | 215.9 | 210.7 | 235.7 | 238.4 | 233.2 | 235.5 | 245.1 | 243.0 |
| 11. Total production expenses | 152.8 | 160.4 | 167.1 | 173.8 | 180.8 | 189.8 | 188.6 | 192.1 | 199.7 | 201.7 |
| 12. Net farm income (10-11) | 47.7 | 44.3 | 48.8 | 36.9 | 54.9 | 48.6 | 44.6 | 43.4 | 45.4 | 41.3 |

Values for last 2 years are preliminary or forecast. Numbers in parentheses indicate the combination of items required to calculate an item. Totals may not add due to rounding. 1. Includes commodities placed under CCC loans and profits made on loans redeemed. 2. Income from custom labor, machine hire, recreational activities, forest product sales, and other farm sources. 3. Excludes depreciation and perquisites to hired labor. Excludes farm operator dwellings. 4. Value of farm products consumed on farms where produced plus the imputed rental value of farm dwellings. Information Contact: Roger Strickland: rogers@ers.usda.gov

To confirm that this table contains the current forecast, go to http://www.ers.usda.gov/briefing/farmincome/fore/fore.htm

Table 31—Average Income to Farm Operator Households¹

| · | | | | | | | | | |
|--|--------|--------|--------|----------|------------|-----------|--------|--------|--------|
| | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
| | | | | \$ | per farm | | | | |
| Net cash farm business income ² | 11,320 | 11,248 | 11,389 | 11,218 | 13,502 | 12,676 | 14,357 | 13,194 | 12,951 |
| Less depreciation ³ | 5,187 | 6,219 | 6,466 | 6,795 | 6,906 | 6,578 | 7,409 | 7,027 | |
| Less wages paid to operator ⁴ | 216 | 454 | 425 | 522 | 531 | 513 | 637 | 499 | |
| Less farmland rental income ⁵ | 360 | 534 | 701 | 769 | 672 | 568 | 543 | 802 | |
| Less adjusted farm business income due to other household(s) ⁶ | 961 | 872 | 815 | 649 | 1,094 | *1,505 | 1,332 | 1,262 | |
| | | | \$ | per farm | operator h | nousehold | | | |
| Equals adjusted farm business income | 4,596 | 3,168 | 2,981 | 2,484 | 4,300 | 3,513 | 4,436 | 3,603 | |
| Plus wages paid to operator | 216 | 454 | 425 | 522 | 531 | 513 | 637 | 499 | |
| Plus net income from farmland rental ⁷ | 360 | | | 1,053 | 1,178 | 945 | 868 | 1,312 | |
| Equals farm self-employment income | 5,172 | 3,623 | 3,407 | 4,059 | 6,009 | 4,971 | 5,941 | 5,415 | |
| Plus other farm-related earnings ⁸ | 2,008 | 1,192 | 970 | 661 | 1,898 | 1,234 | 1,165 | 944 | |
| Equals earnings of the operator household from farming activities | 7,180 | 4,815 | 4,376 | 4,720 | 7,906 | 6,205 | 7,106 | 6,359 | 4,600 |
| Plus earnings of the operator household from off-farm sources ⁹ | 35,731 | 35,408 | 38,092 | 39,671 | 42,455 | 46,358 | 52,628 | 57,988 | 60,058 |
| Equals average farm operator household income | 42,911 | 40,223 | 42,469 | 44,392 | 50,361 | 52,562 | 59,734 | 64,347 | 64,658 |
| | | | | \$ per l | J.S. house | ehold | | | |
| U.S. average household income ¹⁰ | 38,840 | 41,428 | 43,133 | 44,938 | 47,123 | 49,692 | 51,855 | 54,842 | |
| | | | | | Percent | | | | |
| Average farm operator household income as percent | | | | | | | | | |
| of U.S. average household income | 110.5 | 97.1 | 98.5 | 98.8 | 106.9 | 105.8 | 115.2 | 117.3 | |
| Average operator household earnings from farming activities | | | | | | | | | |
| as percent of average operator household income | 16.7 | 12.0 | 10.3 | 10.6 | 15.7 | 11.8 | 11.9 | 9.9 | |
| | | | | | | | | | |

-- = Not available. Values in last two columns are preliminary or forecast. 1. This table derives farm operator household income estimates from the Agricultural Resource Management Study (ARMS) that are consistent with Current Population Survey (CPS) methodology. The CPS, conducted by the Bureau of the Census, is the source of official U.S. household income statistics. The CPS defines income to include any income received as cash. The CPS definition departs from a strictly cash concept by including depreciation as an expense that farm operators and other self-employed people subtract from gross receipts when reporting net cash income. 2. A component of farm-sector income. Excludes income of contractors and landlords as well as the income of farms organized as nonfamily corporations or cooperatives, and farms run by a hired manager. Includes income of farms organized as proprietorships, partnerships, and family corporations. 3. Consistent with the CPS definition of self-employed income, reported depreciation expenses are subtracted from net cash farm income. The ARMS collects data on farm business depreciation used for tax purposes. 4. Wages paid to the operator are excluded because they are not shared among other households that have claims on farm business income. These wages are added to the operator household's adjusted farm business income to obtain farm self-employment income. 5. Gross rental income is excluded because net rental income from farm operation is added below to income received by the household. 6. More than one household may have a claim on the income of a farm business. On average, 1.1 households share the income of a farm business. 7. Includes net rental income from the farm business. Also includes net rental income from farmland held by household members that is not part of the farm business. In 1992, gross rental income from the farm business was used because net rental income data were not collected. In 1993 and 1994, net rental income data were collected as part of off-farm income. 8. Wages paid to other operator household members by the farm business, and net income from a farm business other than the one surveyed. In 1996, also includes the value of commodities provided to household members for farm work. 9. Wages, salaries, net income from nonfarm businesses, interest, dividends, transfer payments, etc. In 1993 and 1994, also includes net rental income from farmland. 10. From the CPS. Sources: U.S. Department of Agriculture, Economic Research Service, 1992, 1993, 1994, and 1995 Farm Costs and Returns Survey (FCRS), and 1996 and 1997 Agricultural Resource Management Study for farm operator household data. U.S. Department of Commerce, Bureau of the Census Current Population Survey (PCS), for average household income. Information contact: Bob Hoppe (202) 694-5572 or rhoppe@ers.usda.gov

Table 32—Balance Sheet of the U.S. Farming Sector_

| | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000F | 2001F |
|---|-------|-------|-------|-------|-----------|---------|---------|---------|---------|---------|
| | | | | | \$ billio | on | | | | |
| Farm assets | 868.3 | 910.2 | 936.1 | 967.6 | 1,004.8 | 1,053.1 | 1,085.5 | 1,116.6 | 1,121.0 | 1,132.1 |
| Real estate | 640.8 | 677.6 | 704.1 | 740.5 | 769.5 | 808.2 | 841.8 | 870.0 | 874.4 | 883.1 |
| Livestock and poultry ¹ Machinery and motor | 71.0 | 72.8 | 67.9 | 57.8 | 60.3 | 67.1 | 63.4 | 70.6 | 69.7 | 71.0 |
| vehicles | 85.4 | 86.4 | 88.1 | 89.4 | 89.8 | 90.1 | 90.2 | 89.0 | 89.3 | 89.4 |
| Crops stored ^{2,3} | 24.2 | 23.3 | 23.3 | 27.4 | 31.7 | 32.9 | 30.1 | 26.9 | 28.1 | 28.0 |
| Purchased inputs | 3.9 | 3.8 | 5.0 | 3.4 | 4.4 | 5.1 | 5.3 | 4.2 | 4.5 | 4.6 |
| Financial assets | 43.1 | 46.3 | 47.6 | 49.1 | 49.0 | 49.7 | 54.8 | 55.8 | 55.0 | 56.0 |
| Total farm debt | 139.1 | 142.0 | 146.8 | 150.8 | 156.1 | 165.4 | 172.9 | 176.4 | 180.6 | 182.8 |
| Real estate debt ³ | 75.4 | 76.0 | 77.7 | 79.3 | 81.7 | 85.4 | 89.6 | 94.2 | 97.3 | 98.6 |
| Non-real estate debt ⁴ | 63.6 | 65.9 | 69.1 | 71.5 | 74.4 | 80.1 | 83.2 | 82.2 | 83.2 | 84.2 |
| Total farm equity | 729.3 | 768.2 | 789.3 | 816.8 | 848.7 | 887.7 | 912.7 | 940.2 | 940.4 | 949.3 |
| Selected ratios | | | | | | | | | | |
| Debt to equity | 19.1 | 18.5 | 18.6 | 18.5 | 18.4 | 18.6 | 18.9 | 18.8 | 19.2 | 19.3 |
| Debt to assets | 16.0 | 15.6 | 15.7 | 15.6 | 15.5 | 15.7 | 15.9 | 15.8 | 16.1 | 16.1 |

Values in the last two columns are preliminary or forecast. 1. As of December 31. 2. Non-CCC crops held on farms plus value above loan rates for crops held under CCC. 3. Includes CCC storage and drying facilities loans, but excludes debt on operator dwellings. 4. Excludes debt for nonfarm purposes. *Information contact: Ken Erickson (202) 694-5565 or erickson@ers.usda.gov*

Table 33—Cash Receipts from Farming

| | | Annual | | 1999 | | | 2000 | | | |
|------------------------------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| | 1998 | 1999 | 2000 | Dec | Jul | Aug | Sep | Oct | Nov | Dec |
| | | | | | \$ m | illion | | | | |
| Commodity sales ¹ | 196,575 | 188,610 | 191,002 | 17,537 | 15,276 | 16,048 | 17,810 | 21,995 | 18,486 | 14,695 |
| Livestock and products | 94,112 | 95,463 | 97,987 | 7,632 | 8,357 | 8,721 | 8,116 | 8,541 | 8,854 | 6,504 |
| Meat animals | 43,336 | 45,600 | 51,618 | 3,473 | 4,114 | 4,825 | 4,229 | 4,469 | 4,587 | 2,780 |
| Dairy products | 24,114 | 23,204 | 20,743 | 2,001 | 1,778 | 1,743 | 1,753 | 1,794 | 1,704 | 1,673 |
| Poultry and eggs | 22,942 | 22,942 | 21,908 | 1,926 | 1,815 | 1,880 | 1,799 | 2,038 | 2,042 | 1,820 |
| Other | 3,719 | 3,717 | 3,718 | 232 | 651 | 272 | 334 | 239 | 521 | 232 |
| Crops | 102,463 | 93,146 | 93,015 | 9,905 | 6,919 | 7,327 | 9,694 | 13,455 | 9,632 | 8,191 |
| Food grains | 8,892 | 7,292 | 6,536 | 493 | 1,141 | 706 | 760 | 448 | 337 | 457 |
| Feed crops | 22,666 | 19,752 | 19,753 | 2,269 | 1,151 | 1,396 | 1,859 | 2,902 | 1,805 | 1,849 |
| Cotton (lint and seed) | 6,101 | 4,696 | 4,230 | 1,378 | 81 | 159 | 363 | 1,041 | 813 | 921 |
| Tobacco | 2,803 | 2,273 | 1,764 | 558 | 0 | 314 | 430 | 167 | 195 | 208 |
| Oil-bearing crops | 17,483 | 13,555 | 13,798 | 1,133 | 656 | 707 | 1,425 | 3,929 | 1,036 | 914 |
| Vegetables and melons | 15,145 | 15,164 | 16,112 | 800 | 1,743 | 1,756 | 1,965 | 1,827 | 1,142 | 602 |
| Fruits and tree nuts | 12,238 | 12,975 | 13,459 | 1,423 | 1,173 | 1,335 | 1,327 | 1,505 | 1,949 | 1,418 |
| Other | 17,136 | 17,441 | 17,363 | 1,851 | 974 | 953 | 1,564 | 1,636 | 2,355 | 1,822 |
| Government payments | 12,209 | 20,594 | 21,559 | 2,143 | 395 | 967 | 6,272 | 3,154 | | |
| Total | 208,784 | 209,204 | 212,561 | 19,680 | 15,671 | 17,015 | 24,082 | 25,149 | 20,495 | 16,557 |

Annual values for the most recent year are preliminary. 1. Sales of farm products include receipts from commodities placed under nonrecourse CCC loans, plus additional gains realized on redemptions during the period. Information contacts: Larry Traub (202) 694-5593 or Itraub@ers.usda.gov To receive current monthly cash receipts via e-mail contact Larry Traub.

To confirm that this table contains the current forecast, go to http://www.ers.usda.gov/briefing/farmincome/fore/fore.htm

Table 34—Cash Receipts from Farm Marketings, by State_

| | Li | vestock and | products | | | Crop | os ¹ | | | Tota | l ¹ | |
|--------------------------|----------------|----------------|-------------|-----------|--------------------|--------------|-----------------|-----------|-----------------|-----------------|----------------|--------------|
| Region and State | | | Nov | Dec | | | Nov | Dec | | | Nov | Dec |
| | 1999 | 2000 | 2000 | 2000 | 1999 | 2000 | 2000 | 2000 | 1999 | 2000 | 2000 | 2000 |
| North Atlantic | | | | | | \$ milli | ion | | | | | |
| Maine | 286 | 269 | 24 | 22 | 229 | 215 | 12 | 15 | 515 | 484 | 35 | 37 |
| New Hampshire | 63 | 63 | 5 | 5 | 90 | 92 | 7 | 7 | 153 | 155 | 12 | 13 |
| Vermont | 473 | 432 | 35 | 37 | 68 | 66 | 5 | 4 | 541 | 498 | 40 | 41 |
| Massachusetts | 101 | 101 | 8 | 8 | 295 | 283 | 41 | 19 | 396 | 383 | 49 | 28 |
| Rhode Island | 8 | 8 | 1 | 1 | 39 | 40 | 3 | 6 | 48 | 48 | 4 | 7 |
| Connecticut | 180 | 176 | 20 | 15 | 302 | 277 | 17 | 36 | 482 | 454 | 37 | 51 |
| New York | 2,043 | 1,868 | 160 | 145 | 1,054 | 1,167 | 110 | 82 | 3,097 | 3,035 | 270 | 228 |
| New Jersey | 187 | 233 | 44 | 12 | 554 | 581 | 40 | 33 | 740 | 814 | 84 | 45 |
| Pennsylvania | 2,877 | 2,716 | 267 | 212 | 1,193 | 1,240 | 129 | 121 | 4,070 | 3,956 | 396 | 333 |
| North Central | | | | | | | | | | | | |
| Ohio | 1,786 | 1,794 | 158 | 122 | 2,643 | 2,634 | 197 | 181 | 4,429 | 4,428 | 355 | 303 |
| Indiana | 1,581 | 1,692 | 146 | 135 | 2,792 | 2,860 | 146 | 233 | 4,373 | 4,552 | 291 | 367 |
| Illinois | 1,524 | 1,616 | 133 | 87 | 5,233 | 5,311 | 222 | 364 | 6,757 | 6,927 | 355 | 452 |
| Michigan | 1,331 | 1,319 | 107 | 85 | 2,139 | 2,163 | 270 | 190 | 3,470 | 3,482 | 378 | 275 |
| Wisconsin | 4,149 | 3,488 | 319 | 257 | 1,447 | 1,425 | 178 | 120 | 5,596 | 4,913 | 496 | 376 |
| Minnesota | 3,548 | 3,690 | 317 | 222 | 3,513 | 3,558 | 413 | 342 | 7,061 | 7,248 | 731 | 563 |
| Iowa | 4,712 | 5,912 | 430 | 432 | 5,004 | 4,979 | 310 | 362 | 9,716 | 10,892 | 740 | 794 |
| Missouri | 2,477 | 2,481 | 226 | 158 | 1,779 | 1,878 | 184 | 187 | 4,256 | 4,359 | 410 | 345 |
| North Dakota | 647 | 723 | 44 | 37 | 2,112 | 2,065 | 287 | 252 | 2,759 | 2,788 | 330 | 289 |
| South Dakota | 1,830 | 1,973 | 186 | 60 | 1,709 | 1,743 | 162 | 91 | 3,539 | 3,716 | 348 | 151 |
| Nebraska | 5,425 | 6,045 | 538 | 368 | 3,130 | 3,012 | 298 | 254 | 8,555 | 9,057 | 835 | 622 |
| Kansas | 5,009 | 5,577 | 479 | 369 | 2,607 | 2,538 | 362 | 212 | 7,616 | 8,115 | 841 | 582 |
| Southern | | | | | | | | | | | | |
| Delaware | 566 | 557 | 43 | 44 | 153 | 169 | 19 | 8 | 718 | 726 | 62 | 52 |
| Maryland | 937 | 947 | 79 | 79 | 544 | 599 | 70 | 42 | 1,481 | 1,546 | 149 | 121 |
| Virginia | 1,580 | 1,620 | 156 | 103 | 704 | 689 | 73 | 59 | 2,283 | 2,309 | 230 | 162 |
| West Virginia | 334 | 334 | 28 | 24 | 53 | 53 | 5 | 5 | 387 | 387 | 33 | 30 |
| North Carolina | 3,850 | 4,178 | 382 | 332 | 2,838 | 2,870 | 349 | 298 | 6,688 | 7,048 | 731 | 630 |
| South Carolina | 773 | 755 | 70 | 58 | 633 | 653 | 56 | 55 | 1,406 | 1,408 | 126 | 113 |
| Georgia | 3,334 | 3,187 | 271 | 238 | 1,907 | 1,949 | 180 | 192 | 5,241 | 5,136 | 451 | 429 |
| Florida | 1,363 | 1,216 | 126 | 108 | 5,702 | 5,465 | 434 | 468 | 7,066 | 6,682 | 560 | 576 |
| Kentucky | 2,158 | 2,233 | 382 | 88 | 1,298 | 1,025 | 46 | 181 | 3,456 | 3,258 | 428 | 269 |
| Tennessee | 1,011 | 1,078 | 88 | 60 | 963 | 969 | 133 | 96 | 1,974 | 2,046 | 222 | 156 |
| Alabama | 2,777 | 2,579 | 213 | 201 | 662 | 578 | 64 | 60 | 3,438 | 3,157 | 278 | 261 |
| Mississippi | 2,143 | 2,053 | 170 | 167 | 1,031 | 834 | 102 | 81 | 3,174 | 2,887 | 272 | 248 |
| Arkansas | 3,397 | 3,245 | 271 | 241 | 1,863 | 1,546 | 177 | 128 | 5,259 | 4,791 | 448 | 370 |
| Louisiana | 620 | 651 | 49 | 43 | 1,228 | 1,121 | 178 | 239 | 1,848 | 1,772 | 227 | 282 |
| Oklahoma Texas | 3,135 8,480 | 3,457 8,879 | 349 801 | 89 599 | 855 4,572 | 782 3,996 | 57 444 | 54 477 | 3,991 13,052 | 4,239 12,875 | 406 1,246 | 144 1,076 |
| | 0,400 | 0,073 | 001 | 000 | 4,072 | 0,000 | 777 | 711 | 10,002 | 12,070 | 1,240 | 1,070 |
| Western Montana | 928 | 1,001 | 113 | 25 | 789 | 722 | 88 | 79 | 1,716 | 1,723 | 200 | 104 |
| Idaho | 1,603 | 1,563 | 143 | 25 80 | 1,744 | 1,935 | 267 | 206 | 3,347 | 3,498 | 410 | 286 |
| Wyoming | 680 | 737 | 77 | 20 | 1,744 | 1,933 | 50 | 23 | 852 | 905 | 126 | 42 |
| Colorado | 3,016 | 3,209 | 309 | 235 | 1,338 | 1,259 | 152 | 137 | 4,354 | 4,467 | 462 | 372 |
| New Mexico | 1,441 | 1,521 | 115 | 61 | 513 | 496 | 61 | 39 | 1,953 | 2,017 | 175 | 99 |
| Arizona | 987 | 1,045 | 111 | 42 | 1,191 | 1,169 | 134 | 106 | 2,178 | 2,214 | 245 | 148 |
| Utah | 724 | 728 | 64 | 66 | 243 | 246 | 27 | 20 | 967 | 973 | 91 | 86 |
| Nevada | 216 | 216 | 14 | 15 | 118 | 147 | 12 | 10 | 334 | 363 | 26 | 25 |
| Washington | 1,658 | 1,528 | 138 | 127 | 3,275 | 3,418 | 316 | 281 | 4,933 | 4,946 | 454 | 408 |
| Oregon | 790 | 842 | 136 87 | 35 | 2,262 | 2,253 | 270 | 145 | 4,933 3,052 | 3,095 | 357 | 180 |
| California | 6,714 | 6,338 | 551 | 525 | 18,087 | 19,330 | 2,434 | 1,557 | 24,801 | 25,668 | 2,985 | 2,082 |
| Alaska | 29 | 29 | 2 | 2 | 19,007 | 19,550 | 2,434 | 1,557 | 48 | 48 | 2,303 | 4 |
| Hawaii | 86 | 86 | 7 | 7 | 447 | 430 | 39 | 35 | 533 | 517 | 46 | 42 |
| U.S. | 95,567 | 97,987 | 8,854 | 6,504 | 93,134 | 93,015 | 9,632 | 8,191 | 188,701 | 191,002 | 18,486 | 14,695 |
| Annual calcas for the ca | | | inory Fotir | 0,007 | 50,10 1 | | Tatala masi | 0,101 | | 101,002 | 0 1 ((| ,000 |

Annual values for the most recent year are preliminary. Estimates as of end of current month. Totals may not add because of rounding. 1. Sales of farm products include receipts from commodities placed under nonrecourse CCC loans, plus additional gains realized on redemptions during the period. Information contact: Larry Traub (202) 694-5593 or Itraub@ers.usda.gov. To receive current monthly cash receipts via e-mail, contact Larry Traub.

Table 35—CCC Net Outlays by Commodity & Function_

| Fiscal year 1992 1993 1994 1995 1996 1997 1998 1999 2000 E 200 \$ million | 01 E |
|--|-------------|
| \$ million | |
| | |
| Commodity/Program | |
| Feed grains: | 740 |
| Corn 2,105 5,143 625 2,090 2,021 2,587 2,873 5,402 9,696 3 Grain sorghum 190 410 130 153 261 284 296 502 942 | ,712 252 |
| Barley 174 186 202 129 114 109 168 224 393 | 128 |
| Oats 32 16 5 19 8 8 17 41 63 | 55 |
| Corn and oat products 9 10 10 1 0 0 0 1 | 0 |
| Total feed grains 2,510 5,765 972 2,392 2,404 2,988 3,354 6,169 11,095 4 | ,147 |
| Wheat and products 1,719 2,185 1,729 803 1,491 1,332 2,187 3,435 5,417 1 | ,688 |
| Rice 715 887 836 814 499 459 491 911 1,729 | 769 |
| Upland cotton 1,443 2,239 1,539 99 685 561 1,132 1,882 4,206 1 | ,700 |
| Tobacco 29 235 693 -298 -496 -156 376 113 301 | 25 |
| Dairy 232 253 158 4 -98 67 291 480 685 | 149 |
| | ,325 |
| Peanuts 41 -13 37 120 100 6 -11 21 42 | 60 |
| Sugar -19 -35 -24 -3 -63 -34 -30 -51 141 | 90 |
| Honey 17 22 0 -9 -14 -2 0 2 1 | 3 |
| Wool and mohair 191 179 211 108 55 0 0 10 7 | -6 |
| Operating expense ¹ 6 6 6 6 6 5 4 60 | 5 |
| Interest expenditure 532 129 -17 -1 140 -111 76 210 626 | 707 |
| Export programs ² 1,459 2,193 1,950 1,361 -422 125 212 165 329 | 691 |
| 1988-2000 Disaster/tree/ livestock assistance 1,054 944 2,566 660 95 130 3 2,241 1,549 | 26 |
| | 26 |
| | ,657 |
| Other conservation programs 0 0 0 0 7 105 197 292 382 Other -162 949 -137 -103 320 104 28 588 1,459 1 | 355 ,004 |
| · | |
| | ,395 |
| Function | |
| | ,248 |
| Cash direct payments: 3 Production flexibility contract 0 0 0 0 5,141 6,320 5,672 5,476 5,049 4 | ,057 |
| Market loss assistance 0 0 0 0 0 0 0 3,141 0,320 3,012 3,470 3,049 4 | 0.007 |
| Deficiency 5,491 8,607 4,391 4,008 567 -1,118 -7 -3 0 | 0 |
| Dairy termination 2 0 0 0 0 0 0 0 0 0 | 0 |
| Loan deficiency 214 387 495 29 0 0 478 3,360 6,387 5 | ,259 |
| Oilseed 0 0 0 0 0 0 0 0 463 | 500 |
| Cotton user marketing 140 114 149 88 34 6 416 280 491 | 355 |
| Other 0 35 22 9 61 1 0 1 476 | 520 |
| | ,657 |
| Other conservation programs 0 0 0 0 0 85 156 247 331 Noninsured Assistance (NAP) 0 0 0 2 52 23 54 75 | 302 177 |
| | ,827 |
| | |
| 1988-99 crop disaster 960 872 2,461 577 14 2 -2 1,913 1,299 Emergency livestock/tree/DRAP | 0 |
| livestock indemn/forage assist. 94 72 105 83 81 128 5 328 250 | 26 |
| Purchases (net) 321 525 293 -51 -249 -60 207 668 784 | 57 |
| Producer storage payments 14 9 12 23 0 0 0 0 0 | 0 |
| Processing, storage, and | |
| transportation 185 136 112 72 51 33 38 62 75 | 75 |
| Export donations ocean | |
| transportation 139 352 156 50 69 34 40 323 617 | 161 |
| Operating expense 1 6 6 6 6 6 6 5 4 60 | 5 |
| | 707 |
| Export programs ² 1,459 2,193 1,950 1,361 -422 125 212 165 329 | 691 |
| Other -403 545 -326 -105 100 -28 3 234 477 | 598 |
| Total 9,738 16,047 10,336 6,030 4,646 7,256 10,143 19,223 32,341 16 | ,395 |

1/ Does not include CCC Transfers to General Sales Manager. 2/ Includes Export Guarantee Program, Direct Export Credit Program, CCC Transfers to the General Sales Manager, Market Access (Promotion) Program, starting in FY 1991 and starting in FY 1992 the Export Guarantee Program - Credit Reform, Export Enhancement Program, Dairy Export Incentive Program, & Technical Assistance to Emerging Markets, and starting in FY 2000 Foreign Market Development Cooperative Program and Quality Samples Program. 3/ Approximately \$1.5 billion in benefits to farmers under the Disaster Assistance Act of 1989 were paid in generic certificates and were not recorded directly as disaster assistance outlays. 4/ Includes cash payments only. Excludes generic certificates in FY 86-96. E= Estimated in FY 2001 Mid-Session Review Budget which was released on June 26, 2000 based on April 2000 supply & demand estimates. The CCC outlays shown for 1996-2002 include the impact of the Federal Agriculture Improvement and Reform Act of 1996, which was enacted on April 4, 1996, and FY 2000 and FY 2001 outlays include the impact of the Agricultural Risk Protection Act of 2000, which was enacted on June 20, 2000. Minus (-) indicates a net receipt (excess of repayments or other receipts over gross outlays of funds). Information contact: Richard Pazdalski Farm Service Agency-Budget at (202) 720-3675 or Richard_Pazdalski@wdc.fsa.usda.gov.

Food Expenditures

Table 36—Food Expenditures

| | Annual | | | 2000 | 2001 | 2001 | | Year-to-date cumulative | | |
|-----------------------------|--------|-------|-------|-----------------|------------------|----------------|-------|-------------------------|------|--|
| - - | 1997 | 1998 | 1999 | Dec | Jan | Feb | Dec | Jan | Feb | |
| | | | | , | \$ billion | | | | | |
| Sales ¹ | | | | | , | | | | | |
| At home ² | 383.8 | 392.3 | 407.3 | 40.1 | 33.6 | 32.0 | 432.5 | 33.6 | 65.6 | |
| Away from home ³ | 309.5 | 322.1 | 343.7 | 30.7 | 29.6 | 28.7 | 373.2 | 29.6 | 58.3 | |
| | | | | 199 | 98 \$ billion | | | | | |
| Sales ¹ | | | | | | | | | | |
| At home ² | 392.4 | 392.3 | 397.8 | 37.9 | 31.6 | 30.1 | 415.0 | 31.6 | 61.7 | |
| Away from home ³ | 317.4 | 322.1 | 335.3 | 28.9 | 27.8 | 26.9 | 355.7 | 27.8 | 54.7 | |
| | | | Pe | rcent change fr | om year earlier | (\$ billion) | | | | |
| Sales ¹ | | | | · · | | | | | | |
| At home ² | 3.8 | 2.2 | 3.8 | -1.4 | 2.3 | -1.0 | 5.2 | 2.3 | 0.7 | |
| Away from home ³ | 5.9 | 4.1 | 6.7 | 0.5 | 6.4 | 0.3 | 8.7 | 6.4 | 3.3 | |
| | | | Perce | ent change from | year earlier (19 | 98 \$ billion) | | | | |
| Sales ¹ | | | | 0 | , | . , | | | | |
| At home ² | -0.2 | 0.0 | 1.4 | -4.2 | -0.8 | -3.8 | 4.7 | -0.8 | -2.3 | |
| Away from home ³ | 3.0 | 1.5 | 4.1 | -1.9 | 3.8 | -2.1 | 8.5 | 3.8 | 0.8 | |

⁻⁻⁼ Not available. 1. Food only (excludes alcoholic beverages). Not seasonally adjusted. 2. Excludes donations and home production. 3. Excludes donations, child nutrition subsidies, and meals furnished to employees, patients, and inmates. *Information contact: Annette Clauson (202) 694-5389* Note: This table differs from Personal Consumption Expenditures (PCE), table 2, for several reasons: (1) this series includes only food, excluding alcoholic beverages and pet food which are included in PCE; (2) this series is not seasonally adjusted, whereas PCE is seasonally adjusted at annual rates; (3) this series reports sales only, but PCE includes food produced and consumed on farms and food furnished to employees; (4) this series includes all sales of meals and snacks, while PCE includes only purchases using personal funds, excluding business travel and entertainment. For a more complete discussion of the differences, see "Developing an Integrated Information System for the Food Sector," ERS Agr. Econ. Rpt. No. 575, Aug. 1987.

Transportation

Table 37—Rail Rates; Grain & Fruit-Vegetable Shipments_____

| | | Annual | | | 2000 | | | | | 2001 |
|--|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1998 | 1999 | 2000 | Jan | Aug | Sep | Oct | Nov | Dec | Jan |
| Rail freight rate index ¹ (Dec. 1984=100) | | | | | | | | | | |
| All products | 113.4 | 113.0 | 114.5 | 113.9 | 114.6 | 114.7 | 115.2 | 115.1 | 115.5 | 115.9 |
| Farm products | 123.9 | 121.7 | 123.0 | 122.8 | 122.4 | 124.6 | 124.5 | 124.5 | 124.1 | 124.8 |
| Grain food products | 107.4 | 99.7 | 100.4 | 99.7 | 100.6 | 100.4 | 100.9 | 100.9 | 101.2 | 101.3 |
| Grain shipments | | | | | | | | | | |
| Rail carloadings (1,000 cars) ² | 22.8 | 24.2 | 23.2 | 23.4 | 23.9 | 24.6 | 24.9 | 21.0 | 19.3 | 23.0 |
| Barge shipments (mil. ton) ³ | 3.0 | 3.5 | 3.1 | 2.3 | 3.3 | 2.7 | 3.1 | 3.8 | 2.2 | 1.0 |
| Fresh fruit and vegetable shipments ⁴ | | | | | | | | | | |
| Piggy back (mil. cwt) | 0.9 | 0.7 | 0.8 | 0.7 | 0.7 | 0.8 | 0.6 | 8.0 | 0.8 | 0.7 |
| Rail (mil. cwt) | 1.2 | 1.1 | 1.4 | 1.3 | 1.0 | 1.2 | 1.7 | 2.1 | 2.2 | 1.8 |
| Truck (mil. cwt) | 42.2 | 45.2 | 45.0 | 39.7 | 42.5 | 39.4 | 40.1 | 39.9 | 42.9 | 37.8 |

P= Preliminary. R = Revised. -- = Not available. 1. Department of Labor, Bureau of Labor Statistics. 2. Weekly average; from Association of American Railroads. 3. Shipments on Illinois and Mississippi waterways, U.S. Corps of Engineers. 4. Annual data are monthly average. Agricultural Marketing Service, USDA. *Information contact: Jenny Gonzales (202) 694-5296*

Indicators of Farm Productivity

Table 38—Indexes of Farm Production, Input Use, & Productivity¹______

See Agricultural Outlook, March 2001

Food Supply & Use

| Red meats ^{2,3,4} Beef Veal O.9 Lamb & mutton Pork 46.4 Poultry ^{2,3,4} Chicken 42.4 Turkey 13.8 Fish and shellfish ³ Eggs ⁴ Other cheese (excluding cottage) ^{2,5} Cottage cheese 3.4 Beverage milks ² Fluid whole milk ⁷ Fluid cream products Fluid cream products Lowfat ice cream ¹⁰ Frozen yogurt Butter and margarine (product weight) Butter and margarine (product weight) Fruit and vegetables 12 Fruits and vegetables 12 Fruits and vegetables Fresh fruits Canning Freesing Freesing Freesing Freesing Freesing Freesing Freesing Freesing Freesing 10.0 1.0 1.0 1.0 1.0 1.0 1.0 1 | 111.9 63.1 0.8 1.0 46.9 58.3 44.2 14.1 14.8 30.1 25.0 11.1 9.4 4.6 3.3 221.1 87.3 109.9 23.9 7.7 4.2 16.3 7.4 3.5 | 114.0 62.8 0.8 1.0 49.4 60.8 46.7 14.1 14.7 30.3 26.0 11.3 10.0 4.7 3.1 218.2 84.0 109.2 25.0 8.0 4.2 16.3 7.1 3.1 | 112.1 61.5 0.8 1.0 48.9 62.5 48.5 14.0 14.9 30.4 26.2 11.4 9.8 5.0 2.9 213.4 80.1 106.6 26.7 8.0 4.3 16.1 6.9 3.5 | Lbs. 114.7 63.6 0.8 0.9 49.5 63.3 49.3 14.1 15.1 30.6 26.8 11.5 10.3 5.0 2.8 213.6 78.8 106.0 28.8 8.1 4.7 16.1 | 115.1 64.4 0.8 0.9 49.0 62.9 48.8 14.1 14.9 30.2 27.3 11.8 10.4 5.0 2.7 209.8 75.3 102.6 31.9 8.4 5.1 15.7 | 112.8 65.0 1.0 0.8 45.9 64.1 49.5 14.6 14.7 30.4 27.7 12.0 10.8 5.0 2.6 210.0 74.6 101.7 33.7 8.7 4.8 | 111.0 63.8 0.9 0.8 45.5 64.2 50.3 13.9 14.5 30.7 28.0 12.0 11.0 5.0 2.7 206.8 72.7 99.8 34.3 9.0 | 115.6 64.9 0.7 0.9 49.2 65.0 50.8 14.2 14.8 31.8 28.3 12.2 11.3 4.8 2.7 204.6 71.6 98.6 34.4 9.2 | 117.7 65.8 0.6 0.9 50.5 68.3 54.2 14.1 15.2 32.8 29.8 13.0 11.8 5.0 2.7 203.8 72.4 98.2 |
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| Beef 63.9 Veal 0.9 Lamb & mutton 1.0 Pork 46.4 Poultry ^{2,3,4} 56.3 Chicken 42.4 Turkey 13.8 Fish and shellfish³ 15.0 Eggs⁴ 30.2 Dairy products 24.6 Cheese (excluding cottage)².5 24.6 American 11.1 Italian 9.0 Other cheeses6 4.5 Cottage cheese 3.4 Beverage milks² 221.8 Fluid lower fat milk 108.5 Fluid skim milk 22.9 Fluid cream products³ 7.6 Yogurt (excluding frozen) 4.0 lce cream 15.8 Lowfat ice cream¹0 7.7 Frozen yogurt 2.8 All dairy products, milk equivalent, milkfat basis ¹¹ 568.3 Fats and oilstotal fat content 63.0 Butter and margarine (product weight) 15.3 Shortening 22.2 | 63.1 0.8 1.0 46.9 58.3 44.2 14.1 14.8 30.1 25.0 11.1 9.4 4.6 3.3 221.1 87.3 109.9 23.9 7.7 4.2 16.3 7.4 | 62.8 0.8 1.0 49.4 60.8 46.7 14.1 14.7 30.3 26.0 11.3 10.0 4.7 3.1 218.2 84.0 109.2 25.0 8.0 4.2 16.3 7.1 3.1 | 61.5 0.8 1.0 48.9 62.5 48.5 14.0 14.9 30.4 26.2 11.4 9.8 5.0 2.9 213.4 80.1 106.6 26.7 8.0 4.3 16.1 6.9 | 63.6 0.8 0.9 49.5 63.3 49.3 14.1 15.1 30.6 26.8 11.5 10.3 5.0 2.8 213.6 78.8 106.0 28.8 8.1 4.7 16.1 | 64.4 0.8 0.9 49.0 62.9 48.8 14.1 14.9 30.2 27.3 11.8 10.4 5.0 2.7 209.8 75.3 102.6 31.9 8.4 5.1 | 65.0 1.0 0.8 45.9 64.1 49.5 14.6 14.7 30.4 27.7 12.0 10.8 5.0 2.6 210.0 74.6 101.7 33.7 8.7 4.8 | 63.8 0.9 0.8 45.5 64.2 50.3 13.9 14.5 30.7 28.0 12.0 11.0 5.0 2.7 206.8 72.7 99.8 34.3 9.0 | 64.9 0.7 0.9 49.2 65.0 50.8 14.2 14.8 31.8 28.3 12.2 11.3 4.8 2.7 204.6 71.6 98.6 34.4 | 65.8 0.6 0.9 50.5 68.3 54.2 14.1 15.2 32.8 29.8 13.0 11.8 5.0 2.7 203.8 72.4 |
| Beef 63.9 Veal 0.9 Lamb & mutton 1.0 Pork 46.4 Poultry ^{2,3,4} 56.3 Chicken 42.4 Turkey 13.8 Fish and shellfish³ 15.0 Eggs⁴ 30.2 Dairy products 24.6 Cheese (excluding cottage)².5 24.6 American 11.1 Italian 9.0 Other cheeses³ 4.5 Cottage cheese 3.4 Beverage milks² 221.8 Fluid lower fat milk³ 108.5 Fluid skim milk 22.9 Fluid cream products³ 7.6 Yogurt (excluding frozen) 4.0 Ice cream 15.8 Lowfat ice cream¹0 7.7 Frozen yogurt 2.8 All dairy products, milk equivalent, milkfat basis ¹¹ 568.3 Fats and oilstotal fat content 63.0 Butter and margarine (product weight) 15.3 Shortening 22.2 | 0.8 1.0 46.9 58.3 44.2 14.1 14.8 30.1 25.0 11.1 9.4 4.6 3.3 221.1 87.3 109.9 23.9 7.7 4.2 16.3 7.4 | 0.8 1.0 49.4 60.8 46.7 14.1 14.7 30.3 26.0 11.3 10.0 4.7 3.1 218.2 84.0 109.2 25.0 8.0 4.2 16.3 7.1 3.1 | 0.8 1.0 48.9 62.5 48.5 14.0 14.9 30.4 26.2 11.4 9.8 5.0 2.9 213.4 80.1 106.6 26.7 8.0 4.3 16.1 6.9 | 0.8 0.9 49.5 63.3 49.3 14.1 15.1 30.6 26.8 11.5 10.3 5.0 2.8 213.6 78.8 106.0 28.8 8.1 4.7 16.1 | 0.8 0.9 49.0 62.9 48.8 14.1 14.9 30.2 27.3 11.8 10.4 5.0 2.7 209.8 75.3 102.6 31.9 8.4 5.1 | 1.0 0.8 45.9 64.1 49.5 14.6 14.7 30.4 27.7 12.0 10.8 5.0 2.6 210.0 74.6 101.7 33.7 8.7 4.8 | 0.9 0.8 45.5 64.2 50.3 13.9 14.5 30.7 28.0 12.0 11.0 5.0 2.7 206.8 72.7 99.8 34.3 9.0 | 0.7 0.9 49.2 65.0 50.8 14.2 14.8 31.8 28.3 12.2 11.3 4.8 2.7 204.6 71.6 98.6 34.4 | 0.6 0.9 50.5 68.3 54.2 14.1 15.2 32.8 29.8 13.0 11.8 5.0 2.7 203.8 72.4 |
| Lamb & mutton 1.0 Pork 46.4 Poultry2.3,4 56.3 Chicken 42.4 Turkey 13.8 Fish and shellfish³ 15.0 Eggs⁴ 30.2 Dairy products 24.6 Cheese (excluding cottage)².5 24.6 American 11.1 Italian 9.0 Other cheeses6 4.5 Cottage cheese 3.4 Beverage milks² 221.8 Fluid whole milk³ 108.5 Fluid lower fat milk 8 108.5 Fluid cream products9 7.6 Yogurt (excluding frozen) 4.0 Ice cream 15.8 Lowfat ice cream¹0 7.7 Frozen yogurt 2.8 All dairy products, milk equivalent, milkfat basis ¹¹¹ 568.3 Fats and oilstotal fat content 63.0 Butter and margarine (product weight) 15.3 Shortening 22.2 Lard and edible tallow (direct use) 2.2 Salad and cooking oils 25.3 Fruits and vegetables¹² <td< td=""><td>1.0 46.9 58.3 44.2 14.1 14.8 30.1 25.0 11.1 9.4 4.6 3.3 221.1 87.3 109.9 23.9 7.7 4.2 16.3 7.4</td><td>1.0 49.4 60.8 46.7 14.1 14.7 30.3 26.0 11.3 10.0 4.7 3.1 218.2 84.0 109.2 25.0 8.0 4.2 16.3 7.1 3.1</td><td>1.0 48.9 62.5 48.5 14.0 14.9 30.4 26.2 11.4 9.8 5.0 2.9 213.4 80.1 106.6 26.7 8.0 4.3 16.1 6.9</td><td>0.9 49.5 63.3 49.3 14.1 15.1 30.6 26.8 11.5 10.3 5.0 2.8 213.6 78.8 106.0 28.8 8.1 4.7 16.1</td><td>0.9 49.0 62.9 48.8 14.1 14.9 30.2 27.3 11.8 10.4 5.0 2.7 209.8 75.3 102.6 31.9 8.4 5.1</td><td>0.8 45.9 64.1 49.5 14.6 14.7 30.4 27.7 12.0 10.8 5.0 2.6 210.0 74.6 101.7 33.7 8.7 4.8</td><td>0.8 45.5 64.2 50.3 13.9 14.5 30.7 28.0 12.0 11.0 5.0 2.7 206.8 72.7 99.8 34.3 9.0</td><td>0.9 49.2 65.0 50.8 14.2 14.8 31.8 28.3 12.2 11.3 4.8 2.7 204.6 71.6 98.6 34.4</td><td>0.9 50.5 68.3 54.2 14.1 15.2 32.8 29.8 13.0 11.8 5.0 2.7 203.8 72.4</td></td<> | 1.0 46.9 58.3 44.2 14.1 14.8 30.1 25.0 11.1 9.4 4.6 3.3 221.1 87.3 109.9 23.9 7.7 4.2 16.3 7.4 | 1.0 49.4 60.8 46.7 14.1 14.7 30.3 26.0 11.3 10.0 4.7 3.1 218.2 84.0 109.2 25.0 8.0 4.2 16.3 7.1 3.1 | 1.0 48.9 62.5 48.5 14.0 14.9 30.4 26.2 11.4 9.8 5.0 2.9 213.4 80.1 106.6 26.7 8.0 4.3 16.1 6.9 | 0.9 49.5 63.3 49.3 14.1 15.1 30.6 26.8 11.5 10.3 5.0 2.8 213.6 78.8 106.0 28.8 8.1 4.7 16.1 | 0.9 49.0 62.9 48.8 14.1 14.9 30.2 27.3 11.8 10.4 5.0 2.7 209.8 75.3 102.6 31.9 8.4 5.1 | 0.8 45.9 64.1 49.5 14.6 14.7 30.4 27.7 12.0 10.8 5.0 2.6 210.0 74.6 101.7 33.7 8.7 4.8 | 0.8 45.5 64.2 50.3 13.9 14.5 30.7 28.0 12.0 11.0 5.0 2.7 206.8 72.7 99.8 34.3 9.0 | 0.9 49.2 65.0 50.8 14.2 14.8 31.8 28.3 12.2 11.3 4.8 2.7 204.6 71.6 98.6 34.4 | 0.9 50.5 68.3 54.2 14.1 15.2 32.8 29.8 13.0 11.8 5.0 2.7 203.8 72.4 |
| Pork 46.4 Poultry ^{2,3,4} 56.3 Chicken 42.4 Turkey 13.8 Fish and shellfish ³ 15.0 Eggs ⁴ 30.2 Dairy products | 46.9 58.3 44.2 14.1 14.8 30.1 25.0 11.1 9.4 4.6 3.3 221.1 87.3 109.9 23.9 7.7 4.2 16.3 7.4 | 49.4 60.8 46.7 14.1 14.7 30.3 26.0 11.3 10.0 4.7 3.1 218.2 84.0 109.2 25.0 8.0 4.2 16.3 7.1 3.1 | 48.9 62.5 48.5 14.0 14.9 30.4 26.2 11.4 9.8 5.0 2.9 213.4 80.1 106.6 26.7 8.0 4.3 16.1 6.9 | 49.5 63.3 49.3 14.1 15.1 30.6 26.8 11.5 10.3 5.0 2.8 213.6 78.8 106.0 28.8 8.1 4.7 16.1 | 49.0 62.9 48.8 14.1 14.9 30.2 27.3 11.8 10.4 5.0 2.7 209.8 75.3 102.6 31.9 8.4 5.1 | 45.9 64.1 49.5 14.6 14.7 30.4 27.7 12.0 10.8 5.0 2.6 210.0 74.6 101.7 33.7 8.7 4.8 | 45.5 64.2 50.3 13.9 14.5 30.7 28.0 12.0 11.0 5.0 2.7 206.8 72.7 99.8 34.3 9.0 | 49.2 65.0 50.8 14.2 14.8 31.8 28.3 12.2 11.3 4.8 2.7 204.6 71.6 98.6 34.4 | 50.5 68.3 54.2 14.1 15.2 32.8 29.8 13.0 11.8 5.0 2.7 203.8 72.4 |
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| Chicken 42.4 Turkey 13.8 Fish and shellfish³ 15.0 Eggs⁴ 30.2 Dairy products 24.6 Cheese (excluding cottage)².5 24.6 American 11.1 Italian 9.0 Other cheeses 6 4.5 Cottage cheese 3.4 Beverage milks² 22.1.8 Fluid whole milk³ 90.4 Fluid lower fat milk 8 108.5 Fluid cream products³ 7.6 Yogurt (excluding frozen) 4.0 Ice cream 15.8 Lowfat ice cream¹0 7.7 Frozen yogurt 2.8 All dairy products, milk equivalent, milkfat basis ¹¹ 568.3 Fats and oilstotal fat content 63.0 Butter and margarine (product weight) 15.3 Shortening 22.2 Lard and edible tallow (direct use) 2.2 Salad and cooking oils 25.3 Fruits and vegetables¹² 656.0 Fruit 272.6 Fresh fruit 21.0 Dried fruit <t< td=""><td>14.1 14.8 30.1 25.0 11.1 9.4 4.6 3.3 221.1 87.3 109.9 23.9 7.7 4.2 16.3 7.4</td><td>14.1 14.7 30.3 26.0 11.3 10.0 4.7 3.1 218.2 84.0 109.2 25.0 8.0 4.2 16.3 7.1 3.1</td><td>14.0 14.9 30.4 26.2 11.4 9.8 5.0 2.9 213.4 80.1 106.6 26.7 8.0 4.3 16.1 6.9</td><td>14.1 15.1 30.6 26.8 11.5 10.3 5.0 2.8 213.6 78.8 106.0 28.8 8.1 4.7</td><td>14.1 14.9 30.2 27.3 11.8 10.4 5.0 2.7 209.8 75.3 102.6 31.9 8.4 5.1</td><td>14.6 14.7 30.4 27.7 12.0 10.8 5.0 2.6 210.0 74.6 101.7 33.7 8.7 4.8</td><td>13.9 14.5 30.7 28.0 12.0 11.0 5.0 2.7 206.8 72.7 99.8 34.3 9.0</td><td>14.2 14.8 31.8 28.3 12.2 11.3 4.8 2.7 204.6 71.6 98.6 34.4</td><td>14.1 15.2 32.8 29.8 13.0 11.8 5.0 2.7 203.8 72.4</td></t<> | 14.1 14.8 30.1 25.0 11.1 9.4 4.6 3.3 221.1 87.3 109.9 23.9 7.7 4.2 16.3 7.4 | 14.1 14.7 30.3 26.0 11.3 10.0 4.7 3.1 218.2 84.0 109.2 25.0 8.0 4.2 16.3 7.1 3.1 | 14.0 14.9 30.4 26.2 11.4 9.8 5.0 2.9 213.4 80.1 106.6 26.7 8.0 4.3 16.1 6.9 | 14.1 15.1 30.6 26.8 11.5 10.3 5.0 2.8 213.6 78.8 106.0 28.8 8.1 4.7 | 14.1 14.9 30.2 27.3 11.8 10.4 5.0 2.7 209.8 75.3 102.6 31.9 8.4 5.1 | 14.6 14.7 30.4 27.7 12.0 10.8 5.0 2.6 210.0 74.6 101.7 33.7 8.7 4.8 | 13.9 14.5 30.7 28.0 12.0 11.0 5.0 2.7 206.8 72.7 99.8 34.3 9.0 | 14.2 14.8 31.8 28.3 12.2 11.3 4.8 2.7 204.6 71.6 98.6 34.4 | 14.1 15.2 32.8 29.8 13.0 11.8 5.0 2.7 203.8 72.4 |
| Fish and shellfish³ 15.0 Eggs⁴ 30.2 Dairy products 24.6 Cheese (excluding cottage)².5 24.6 American 11.1 Italian 9.0 Other cheeses⁶ 4.5 Cottage cheese 3.4 Beverage milks² 221.8 Fluid whole milk³ 90.4 Fluid lower fat milk % 108.5 Fluid skim milk 22.9 Fluid cream products³ 7.6 Yogurt (excluding frozen) 4.0 Ice cream 15.8 Lowfat ice cream¹0 7.7 Frozen yogurt 2.8 All dairy products, milk equivalent, milkfat basis¹¹¹ 568.3 Fats and oilstotal fat content 63.0 Butter and margarine (product weight) 15.3 Shortening 22.2 Lard and edible tallow (direct use) 2.2 Salad and cooking oils 25.3 Fruits and vegetables¹² 656.0 Fruit 272.6 Fresh fruits 116.3 Canned fruit 21.0 Dried fruit | 14.8 30.1 25.0 11.1 9.4 4.6 3.3 221.1 87.3 109.9 23.9 7.7 4.2 16.3 7.4 | 14.7 30.3 26.0 11.3 10.0 4.7 3.1 218.2 84.0 109.2 25.0 8.0 4.2 16.3 7.1 3.1 | 14.9 30.4 26.2 11.4 9.8 5.0 2.9 213.4 80.1 106.6 26.7 8.0 4.3 16.1 6.9 | 15.1 30.6 26.8 11.5 10.3 5.0 2.8 213.6 78.8 106.0 28.8 8.1 4.7 | 14.9 30.2 27.3 11.8 10.4 5.0 2.7 209.8 75.3 102.6 31.9 8.4 5.1 | 14.7 30.4 27.7 12.0 10.8 5.0 2.6 210.0 74.6 101.7 33.7 8.7 4.8 | 14.5 30.7 28.0 12.0 11.0 5.0 2.7 206.8 72.7 99.8 34.3 9.0 | 14.8 31.8 28.3 12.2 11.3 4.8 2.7 204.6 71.6 98.6 34.4 | 15.2 32.8 29.8 13.0 11.8 5.0 2.7 203.8 72.4 |
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| Eggs ⁴ 30.2 Dairy products 24.6 Cheese (excluding cottage) ^{2.5} 24.6 American 11.1 Italian 9.0 Other cheeses ⁶ 4.5 Cottage cheese 3.4 Beverage milks ² 221.8 Fluid whole milk ⁷ 90.4 Fluid lower fat milk ⁸ 108.5 Fluid skim milk 22.9 Fluid cream products ⁹ 7.6 Yogurt (excluding frozen) 4.0 Ice cream 15.8 Lowfat ice cream ¹⁰ 7.7 Frozen yogurt 2.8 All dairy products, milk equivalent, milkfat basis ¹¹ 568.3 Fats and oilstotal fat content 63.0 Butter and margarine (product weight) 15.3 Shortening 22.2 Lard and edible tallow (direct use) 2.2 Salad and cooking oils 25.3 Fruits and vegetables ¹² 656.0 Fruit 272.6 Fresh fruits 116.3 Canned fruit 21.0 Dried fruit 21.0 <t< td=""><td>25.0 11.1 9.4 4.6 3.3 221.1 87.3 109.9 23.9 7.7 4.2 16.3 7.4</td><td>26.0 11.3 10.0 4.7 3.1 218.2 84.0 109.2 25.0 8.0 4.2 16.3 7.1 3.1</td><td>26.2 11.4 9.8 5.0 2.9 213.4 80.1 106.6 26.7 8.0 4.3 16.1 6.9</td><td>26.8 11.5 10.3 5.0 2.8 213.6 78.8 106.0 28.8 8.1 4.7 16.1</td><td>27.3 11.8 10.4 5.0 2.7 209.8 75.3 102.6 31.9 8.4 5.1</td><td>27.7 12.0 10.8 5.0 2.6 210.0 74.6 101.7 33.7 8.7 4.8</td><td>28.0 12.0 11.0 5.0 2.7 206.8 72.7 99.8 34.3 9.0</td><td>28.3 12.2 11.3 4.8 2.7 204.6 71.6 98.6 34.4</td><td>29.8 13.0 11.8 5.0 2.7 203.8 72.4</td></t<> | 25.0 11.1 9.4 4.6 3.3 221.1 87.3 109.9 23.9 7.7 4.2 16.3 7.4 | 26.0 11.3 10.0 4.7 3.1 218.2 84.0 109.2 25.0 8.0 4.2 16.3 7.1 3.1 | 26.2 11.4 9.8 5.0 2.9 213.4 80.1 106.6 26.7 8.0 4.3 16.1 6.9 | 26.8 11.5 10.3 5.0 2.8 213.6 78.8 106.0 28.8 8.1 4.7 16.1 | 27.3 11.8 10.4 5.0 2.7 209.8 75.3 102.6 31.9 8.4 5.1 | 27.7 12.0 10.8 5.0 2.6 210.0 74.6 101.7 33.7 8.7 4.8 | 28.0 12.0 11.0 5.0 2.7 206.8 72.7 99.8 34.3 9.0 | 28.3 12.2 11.3 4.8 2.7 204.6 71.6 98.6 34.4 | 29.8 13.0 11.8 5.0 2.7 203.8 72.4 |
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| Fluid lower fat milk 108.5 Fluid skim milk 22.9 Fluid cream products ⁹ 7.6 Yogurt (excluding frozen) 4.0 lce cream 15.8 Lowfat ice cream ¹⁰ 7.7 Frozen yogurt 2.8 All dairy products, milk equivalent, milkfat basis ¹¹ 568.3 Fats and oilstotal fat content 63.0 Butter and margarine (product weight) 15.3 Shortening 22.2 Lard and edible tallow (direct use) 2.2 Salad and cooking oils 25.3 Fruits and vegetables ¹² 656.0 Fruit 272.6 Fresh fruits 116.3 Canned fruit 21.0 Dried fruit 12.1 Frozen fruit 3.8 Selected fruit juices 119.0 Vegetables 383.5 Fresh 167.1 Canning 111.5 | 109.9 23.9 7.7 4.2 16.3 7.4 | 109.2 25.0 8.0 4.2 16.3 7.1 3.1 | 106.6 26.7 8.0 4.3 16.1 6.9 | 106.0 28.8 8.1 4.7 16.1 | 102.6 31.9 8.4 5.1 | 101.7 33.7 8.7 4.8 | 99.8 34.3 9.0 | 98.6 34.4 | |
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| Fluid cream products 9 7.6 Yogurt (excluding frozen) 4.0 Ice cream 15.8 Lowfat ice cream 10 7.7 Frozen yogurt 2.8 All dairy products, milk equivalent, milkfat basis 11 568.3 Fats and oilstotal fat content 63.0 Butter and margarine (product weight) 15.3 Shortening 22.2 Lard and edible tallow (direct use) 2.2 Salad and cooking oils 25.3 Fruits and vegetables 12 656.0 Fruit 272.6 Fresh fruits 116.3 Canned fruit 21.0 Dried fruit 12.1 Frozen fruit 3.8 Selected fruit juices 119.0 Vegetables 383.5 Fresh 167.1 Canning 111.5 | 7.7 4.2 16.3 7.4 | 8.0 4.2 16.3 7.1 3.1 | 8.0 4.3 16.1 6.9 | 8.1 4.7 16.1 | 8.4 5.1 | 8.7 4.8 | 9.0 | | 33.2 |
| Yogurt (excluding frozen) 4.0 Ice cream 15.8 Lowfat ice cream¹0 7.7 Frozen yogurt 2.8 All dairy products, milk equivalent, milkfat basis¹¹ equivalent, milkfat basis¹¹ 568.3 Fats and oilstotal fat content 63.0 Butter and margarine (product weight) 15.3 Shortening 22.2 Lard and edible tallow (direct use) 2.2 Salad and cooking oils 25.3 Fruits and vegetables¹² 656.0 Fruit 272.6 Fresh fruits 116.3 Canned fruit 21.0 Dried fruit 12.1 Frozen fruit 3.8 Selected fruit juices 119.0 Vegetables 383.5 Fresh 167.1 Canning 111.5 | 4.2 16.3 7.4 | 4.2 16.3 7.1 3.1 | 4.3 16.1 6.9 | 4.7 16.1 | 5.1 | 4.8 | | 9.Z | 9.7 |
| Ice cream 15.8 Lowfat ice cream ¹⁰ 7.7 Frozen yogurt 2.8 All dairy products, milk 2.8 equivalent, milkfat basis ¹¹ 568.3 Fats and oilstotal fat content 63.0 Butter and margarine (product weight) 15.3 Shortening 22.2 Lard and edible tallow (direct use) 2.2 Salad and cooking oils 25.3 Fruits and vegetables ¹² 656.0 Fruit 272.6 Fresh fruits 116.3 Canned fruit 21.0 Dried fruit 12.1 Dried fruit 12.1 Frozen fruit 3.8 Selected fruit juices 119.0 Vegetables 383.5 Fresh 167.1 Canning 111.5 | 16.3 7.4 | 16.3 7.1 3.1 | 16.1 6.9 | 16.1 | | | 5.1 | 5.1 | 4.9 |
| Lowfat ice cream ¹⁰ 7.7 Frozen yogurt 2.8 All dairy products, milk 2.8 equivalent, milkfat basis ¹¹ 568.3 Fats and oilstotal fat content 63.0 Butter and margarine (product weight) 15.3 Shortening 22.2 Lard and edible tallow (direct use) 2.2 Salad and cooking oils 25.3 Fruits and vegetables ¹² 656.0 Fruit 272.6 Fresh fruits 116.3 Canned fruit 21.0 Dried fruit 12.1 Frozen fruit 3.8 Selected fruit juices 119.0 Vegetables 383.5 Fresh 167.1 Canning 111.5 | 7.4 | 7.1 3.1 | 6.9 | | | 15.9 | 16.4 | 16.6 | 16.8 |
| Frozen yogurt 2.8 All dairy products, milk equivalent, milkfat basis 11 Fats and oilstotal fat content 63.0 Butter and margarine (product weight) 15.3 Shortening 22.2 Lard and edible tallow (direct use) 2.2 Salad and cooking oils 25.3 Fruits and vegetables 12 656.0 Fruit 272.6 Fresh fruits 116.3 Canned fruit 21.0 Dried fruit 12.1 Frozen fruit 3.8 Selected fruit juices 119.0 Vegetables 383.5 Fresh 167.1 Canning 111.5 | | 3.1 | | 7.6 | 7.5 | 7.6 | 7.9 | 8.3 | 7.9 |
| All dairy products, milk equivalent, milkfat basis 11 Fats and oilstotal fat content Butter and margarine (product weight) 15.3 Shortening 22.2 Lard and edible tallow (direct use) 25.3 Fruits and vegetables 12 Fruits and vegetables 12 Fresh fruits Canned fruit Dried fruit 12.1 Frozen fruit Selected fruit juices 119.0 Vegetables Fresh 167.1 Canning 111.5 | 0.0 | | | 3.5 | 3.5 | 2.6 | 2.1 | 2.2 | 2.1 |
| equivalent, milkfat basis 11 568.3 Fats and oilstotal fat content 63.0 Butter and margarine (product weight) 15.3 Shortening 22.2 Lard and edible tallow (direct use) 2.2 Salad and cooking oils 25.3 Fruits and vegetables 12 656.0 Fruit 272.6 Fresh fruits 116.3 Canned fruit 21.0 Dried fruit 12.1 Frozen fruit 3.8 Selected fruit juices 119.0 Vegetables 383.5 Fresh 167.1 Canning 111.5 | | | 0.0 | 0.0 | 0.0 | 2.0 | | | |
| Butter and margarine (product weight) 15.3 Shortening 22.2 Lard and edible tallow (direct use) 2.2 Salad and cooking oils 25.3 Fruits and vegetables 12 656.0 Fruit 272.6 Fresh fruits 116.3 Canned fruit 21.0 Dried fruit 12.1 Frozen fruit 3.8 Selected fruit juices 119.0 Vegetables 383.5 Fresh 167.1 Canning 111.5 | 565.6 | 565.8 | 574.1 | 585.9 | 583.8 | 574.6 | 577.6 | 581.7 | 597.9 |
| Butter and margarine (product weight) 15.3 Shortening 22.2 Lard and edible tallow (direct use) 2.2 Salad and cooking oils 25.3 Fruits and vegetables 12 656.0 Fruit 272.6 Fresh fruits 116.3 Canned fruit 21.0 Dried fruit 12.1 Frozen fruit 3.8 Selected fruit juices 119.0 Vegetables 383.5 Fresh 167.1 Canning 111.5 | 64.8 | 66.8 | 69.7 | 68.0 | 66.3 | 65.3 | 64.9 | 65.6 | 68.5 |
| Shortening 22.2 Lard and edible tallow (direct use) 2.2 Salad and cooking oils 25.3 Fruits and vegetables 12 656.0 Fruit 272.6 Fresh fruits 116.3 Canned fruit 21.0 Dried fruit 12.1 Frozen fruit 3.8 Selected fruit juices 119.0 Vegetables 383.5 Fresh 167.1 Canning 111.5 | 15.0 | 15.4 | 15.8 | 14.7 | 13.7 | 13.5 | 12.8 | 12.8 | 12.9 |
| Lard and edible tallow (direct use) 2.2 Salad and cooking oils 25.3 Fruits and vegetables 12 656.0 Fruit 272.6 Fresh fruits 116.3 Canned fruit 21.0 Dried fruit 12.1 Frozen fruit 3.8 Selected fruit juices 119.0 Vegetables 383.5 Fresh 167.1 Canning 111.5 | 22.4 | 22.4 | 25.1 | 24.1 | 22.5 | 22.3 | 20.9 | 21.0 | 21.6 |
| Salad and cooking oils 25.3 Fruits and vegetables 12 656.0 Fruit 272.6 Fresh fruits 116.3 Canned fruit 21.0 Dried fruit 12.1 Frozen fruit 3.8 Selected fruit juices 119.0 Vegetables 383.5 Fresh 167.1 Canning 111.5 | 1.8 | 3.5 | 3.4 | 4.2 | 4.3 | 4.8 | 4.1 | 5.2 | 5.7 |
| Fruit 272.6 Fresh fruits 116.3 Canned fruit 21.0 Dried fruit 12.1 Frozen fruit 3.8 Selected fruit juices 119.0 Vegetables 383.5 Fresh 167.1 Canning 111.5 | 26.4 | 27.2 | 26.9 | 26.2 | 26.9 | 26.1 | 28.6 | 27.9 | 29.4 |
| Fruit 272.6 Fresh fruits 116.3 Canned fruit 21.0 Dried fruit 12.1 Frozen fruit 3.8 Selected fruit juices 119.0 Vegetables 383.5 Fresh 167.1 Canning 111.5 | 650.2 | 677.5 | 691.4 | 705.6 | 694.3 | 710.8 | 717.9 | 702.4 | 719.0 |
| Fresh fruits 116.3 Canned fruit 21.0 Dried fruit 12.1 Frozen fruit 3.8 Selected fruit juices 119.0 Vegetables 383.5 Fresh 167.1 Canning 111.5 | 255.3 | 283.7 | 283.2 | 290.9 | 284.9 | 290.2 | 296.9 | 284.4 | 297.9 |
| Canned fruit 21.0 Dried fruit 12.1 Frozen fruit 3.8 Selected fruit juices 119.0 Vegetables 383.5 Fresh 167.1 Canning 111.5 | 113.0 | 123.5 | 124.5 | 126.3 | 124.1 | 128.1 | 131.9 | 131.3 | 132.5 |
| Dried fruit 12.1 Frozen fruit 3.8 Selected fruit juices 119.0 Vegetables 383.5 Fresh 167.1 Canning 111.5 | 19.8 | 22.9 | 20.7 | 21.0 | 17.5 | 18.8 | 20.4 | 17.4 | 19.6 |
| Frozen fruit 3.8 Selected fruit juices 119.0 Vegetables 383.5 Fresh 167.1 Canning 111.5 | 12.3 | 10.8 | 12.6 | 12.8 | 12.8 | 11.3 | 10.8 | 12.4 | 10.5 |
| Selected fruit juices119.0Vegetables383.5Fresh167.1Canning111.5 | 3.8 | 3.9 | 3.7 | 3.8 | 4.2 | 4.0 | 3.7 | 4.2 | 3.7 |
| Vegetables 383.5 Fresh 167.1 Canning 111.5 | 106.0 | 121.9 | 121.3 | 126.6 | 125.9 | 127.8 | 129.3 | 118.8 | 131.0 |
| Fresh 167.1 Canning 111.5 | 394.9 | 393.9 | 408.2 | 414.6 | 409.4 | 420.6 | 421.0 | 418.0 | 421.2 |
| Canning 111.5 | 167.4 | 171.1 | 178.1 | 184.5 | 179.1 | 184.1 | 188.9 | 185.5 | 192.1 |
| • | 114.3 | 112.2 | 112.8 | 112.3 | 110.8 | 109.5 | 107.8 | 109.3 | 105.7 |
| | 72.6 | 70.9 | 76.0 | 78.4 | 79.9 | 84.6 | 83.0 | 81.8 | 82.5 |
| Dehydrated and chips 31.0 | 32.8 | 31.5 | 33.6 | 31.0 | 31.3 | 34.5 | 33.3 | 33.4 | 32.3 |
| Pulses 7.1 | 7.8 | 8.1 | 7.7 | 8.4 | 8.4 | 8.0 | 8.1 | 7.9 | 8.6 |
| Peanuts (shelled) 6.0 | | 6.2 | 6.1 | 5.8 | 5.7 | 5.7 | 5.9 | 5.9 | 6.4 |
| Tree nuts (shelled) 2.4 | | 2.2 | 2.4 | 2.3 | 1.9 | 2.0 | 2.1 | 2.3 | 2.7 |
| Flour and cereal products ¹³ 181.0 | 6.5 2.2 | 185.7 | 190.7 | 194.0 | 192.8 | 199.2 | 200.9 | 198.4 | 201.9 |
| Wheat flour 136.0 | | | 143.3 | 144.5 | 141.8 | 148.7 | 149.5 | 146.0 | 148.4 |
| Rice (milled basis) 15.8 | 2.2 182.7 | 138.9 | | 18.1 | 18.9 | 17.8 | 18.4 | 18.9 | 19.4 |
| Caloric sweeteners ¹⁴ 136.9 | 2.2 182.7 137.0 | 138.9 16.7 | | | | 150.7 | 154.0 | 155.1 | 158.4 |
| Coffee (green bean equiv.) 10.3 | 2.2 182.7 137.0 16.2 | 16.7 | 16.7 | | | | 9.3 | 9.5 | 10.0 |
| Cocoa (chocolate liquor equiv.) 4.3 | 2.2 182.7 137.0 | | | 147.4 8.2 | 149.8 8.0 | 8.9 | 9 | 0.0 | 4.6 |

^{1.} In pounds, retail weight unless otherwise stated. Consumption normally represents total supply minus exports, nonfood use, and ending stocks. Calendar-year data, except fresh citrus fruits, peanuts, tree nuts, and rice, which are on crop-year basis. 2. Totals may not add due to rounding. 3. Boneless, trimmed weight. Chicken series revised to exclude amount of ready-to-cook chicken going to pet food as well as some water leakage that occurs when chicken is cut up before packaging. 4. Excludes shipments to the U.S. territories. 5. Whole and part-skim milk cheese. Natural equivalent of cheese and cheese products. 6. Includes Swiss, Brick, Muenster, cream, Neufchatel, Blue, Gorgonzola, Edam, and Gouda. 7. Plain and flavored. 8. Plain and flavored, and buttermilk. 9. Heavy cream, light cream, half and half, eggnog, sour cream, and dip. 10. Formerly known as ice milk. 11. Includes condensed and evaporated milk and dry milk products. 12. Farm weight. 13. Includes rye, corn, oats, and barley products. Excludes quantities used in alcoholic beverages, corn sweeteners, and fuel. 14. Dry weight equivalent. Information contact: Jane E. Allshouse (202) 694-5449.

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